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# ACTION PLAN

KREMMLING RESOURCE MANAGEMENT

PLAN AND ENVIRONMENTAL IMPACT STATEMENT

APPROVED:

AREA MANAGER, KREMMLING

DATE

DISTRICT MANAGER. CRAIG

DATE

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# I. INTRODUCTION

# A. Purpose

The purpose of the Kremmling Resource Management Plan is to develop multiple use decisions for the public lands and mineral estate in the Kremmling Resource Area. The decisions will be developed through a resource management planning process that includes participation by the public, and federal, state and local governments and agencies using the best available data and analysis of alternatives.

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The plan will be designed to guide and control future management actions for resources and uses.

An Environmental Impact Statement will be prepared to analyze the impacts on the human environment associated with the decisions in the plan.

# B. Procedures

The procedures to be followed for the Kremmling Resource Management Plan (RMP) are contained in the Federal Land Policy and Management Act of 1976, the National Environmental Policy Act of 1969, the Public Lands and Resources Planning System Regulations 43 CFR 1600, Council on Environmental Quality (CEQ) Regulations 40 CFR 1500, subsequent Bureau Guidance, and this document.

#### C. Planning Area

The Kremmling RMP will encompass an area of 1,222,880 acres located in north-central Colorado. Included will be Jackson and Grand Counties and portions of Eagle, Larimer and Summit Counties. The area is bordered on the north by the State of Wyoming, the west by the Routt National Forest, the south by the Grand Junction District BLM, the White River National Forest and the Arapaho National Forest, and the east by the Roosevelt and Arapaho National Forests and Rocky Mountain National Park.

Of the 1,222,880 acres, 33 percent (398,275 acres) is public land administered by the BLM, 57 percent is privately owned, 9 percent is state land and 1 percent is administered by other federal agencies. (See attached map.)

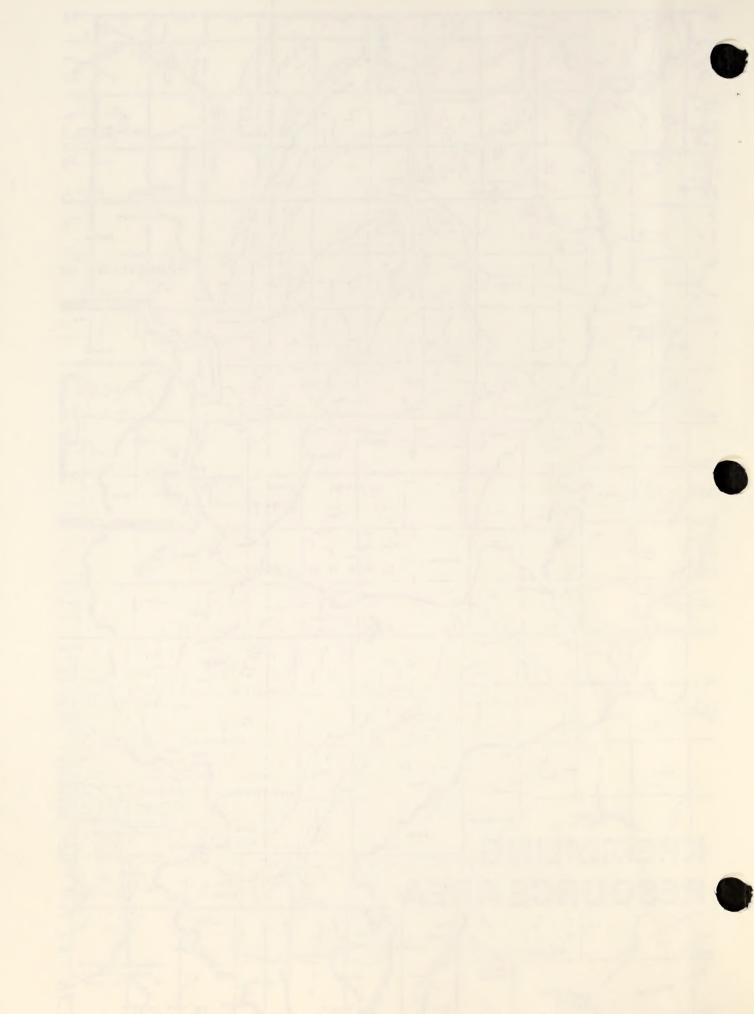
# II. ADMINISTRATION AND MANAGEMENT ASPECTS

#### A. Organization

#### 1. Responsibilities

a. State Director provides quality control and general guidance for planning and Environmental Impact Statements. State Director files draft and final Impact Statements with CEQ.





- b. District Manager prepares, submits to State Director for review and concurrence and approves the RMP.
- c. Area Manager as the delegated field official of the District Manager takes the lead in preparing the RMP for approval by the District Manager and the EIS for submission by the State Director.
- d. Team Leader is responsible for the supervision of the Interdisciplinary Team, ensuring RMP/EIS schedules are followed and deadlines met in accordance with the approved Action Plan. Team Leader maintains interdisciplinary and technical coordination throughout the planning and Environmental Impact Statement processes.
- e. Interdisciplinary Team (IDT) actually prepares and writes the RMP/EIS. A specific team is selected for the task to provide continuity for the entire process. The team will present the RMP/EIS to management for their consideration and final decisions on the specific land uses and resource allocation.

# 2. Interdisciplinary Team (IDT)

The RMP/EIS team will be prepared primarily by the Kremmling Resource Area staff, with voids in staffing expertise being filled by District and/or State Office specialists.

#### Interdisciplinary Team Member

Ade Neisius John Singlaub Vacant Vacant Norm Messenger

Gary Hoppe
Davida Gates
David Willard
Rich Rosene
Al Gardner
Jim Dryden
Craig District Soil Scientist
Dave Harr
Craig MacKinnon
Al Brumsted
Steve McCallie
Karen Wiley
Rich Inglis
Dave Brey

#### Assignment

Team Leader District Coordinator Writer/Editor Lead Clerk Inventory Coordinator (Area) Vegetation & Range Inventory Coordinator (District) Social Conditions Economic Conditions Climate & Forestry Topography & Forestry Geology & Minerals Soils Vegetation, Range & Existing Proj. Vegetation, Range, Animals Vegetation, Fisheries, Water Vegetation & Forestry Vegetation (Threatened/Endangered) Water & Watershed Air Quality

#### Interdisciplinary Team Member

Chuck Cesar

Tom Zimmerman Chuck Morganstean

Milt Rupp Dave Hilberry Elvin Clapp

Tom Manabe State Office Geologist Dave Harned Craig District Cartographer

#### Assignment

Cartography

Animals, Existing Projects
Wildlife
Fire
Limit Physical Factors,
Transportation & Existing Proj.
Lands
Watershed
Recreation, VRM
Wilderness/Roadless, ACEC
Cultural Resources
Paleontology
ATROW

#### 3. Quality Control & Review

Informal reviews will take place at any time throughout the RMP/EIS process as needed. Formal reviews will be held at specific stages during the process and are identified and scheduled on the Formal Review Chart following. The Kremmling RMP/EIS is a pilot effort for Colorado. As a pilot it will be used to test concepts and procedures and will serve as a shake-down vehicle for implementing the new regulations. It will be closely monitored by the State Office and the Washington Office; so additional formal reviews may be necessary in addition to the ones identified in the Chart. Therefore, some flexibility must exist in this schedule.

#### FORMAL BUREAU REVIEW

Review Level	Date (Approx.)
AO DO SO	12-11-79
AO DO SO	1-31-80
AO DO SO WO	3-31-80
AO DO SO	12-10-80
AO DO	2-18-81
AO DO SO	5-28-81
AO DO SO WO	9-30-81
AO DO	1- 6-82
AO DO SO	682
AO DO SO WO	782
AO DO SO WO	183
AO DO SO	983
	AO DO SO AO DO SO AO DO SO WO AO DO SO · AO DO SO AO DO SO AO DO SO AO DO SO WO AO DO SO WO AO DO SO AO DO SO WO AO DO SO WO AO DO SO WO AO DO SO WO

AO = Area Office SO = Colorado State Office DO = Craig District Office WO = Washington Office

Besides the in-house Bureau reviews there are also requirements for public review. The public comment and review schedules are listed below.

#### FORMAL PUBLIC COMMENT & REVIEW

Step	Date	
Identify Issues	Public Meeting Kremmling - 2/20/80 Walden - 2/21/80 Denver - 2/26/80	
	Submit written comments - 2/29/80	
Review Issues & Planning Criteria	Newsletter to public - 4/ /80	
Review Mgt. Situation Analysis, Issues & Planning Criteria	Public meetings -10/ /81	
Review Draft RMP/EIS	- 2/ /83	
Review Final RMP/EIS	- 9/ /83	
Appeal Period	-12/ /83	

# B. Schedules

The schedules and timeframes have been set up to meet a September 30, 1983, completion date for the Final RMP/EIS. Completion on this date will fullfil the Bureau's Court-Mandated Commitment to have a grazing Environmental Impact Statement done by this time. Completion dates for the major RMP/EIS components are as follows:

1.	Initial public contact, identification of issues, development of planning criteria	3-31-80
2.	Inventories	9/30/80
3.	Management Situation Analysis	9/30/81
4.	Alternatives formulated, evaluated	6/30/82
5.	Draft RMP/EIS	1/31/83
6.	Final RMP/ES	9/30/83

More detailed scheduling information regarding subcomponents can be found in the PrePlanning Analysis (PPA) and the Public Participation Plan. (Refer to Appendices I & III.)

#### C. Guidance

Present RMP guidance is very general, providing considerable flexibility within the major sections. With this flexibility is a responsibility for original and innovative thinking. Since no manual will be developed in time for start of this effort, each team member will have to develop in more detail, the format required to meet the needs of his/her program. As a guideline, minimum quality standards will be those found in the regulations supplemented by existing planning manuals when these are appropriate. It is also suggested that the planning manuals be reviewed to develop a list of items to be considered in the preparation of this plan, even though the format will be considerably different. This is intended to be used in conjunction with the regulations and should not be used without a detailed knowledge of the regulations themselves.

In doing so, it will be important for each team member to work as closely as possible with his/her District and State Office counterpart.

As the planning effort progresses, it is probable that more specific guidance will be developed. The new guidance will be implemented as long as no major revisions are required of the plan to that point.

It should be emphasized that the new regulations and the whole thrust of the new system is to analyze very thoroughly those factors affecting the issues identified. In addition we should analyze factors relevant to other needed decisions, but only to the extent that they are needed to make the decisions. Other data not relevant to the issues or other decisions need not be developed or presented. The regulations provide many additional requirements, but the intent is also to streamline the process as much as possible.

The specific guidance for the preparation of the RMP/EIS at this date are:

- 1. Planning Regulation 43 CFR 1600
- 2. BLM Manual 1601
- 3. CEQ Regulation 40 CFR 1500
- 4. BLM Manual 1790, 1791, 1792
- 5. Specific State Office and Washington Office guidance is expected during the summer of 1980.

#### D. Coordination

The District Manager is responsible for the overall plan with the Area Manager responsible for the coordination of the RMP/EIS within the Bureau, with the general public, local and state governments and other agencies. The Team Leader will coordinate the planning and environmental statement processes and will keep the Area Manager briefed. It will be important that each team member maintain close coordination with their respective District and/or State Office counterpart. Since this will be a pilot effort, the Area Manager through proper channels will be required to maintain close coordination with the Colorado State Office and the Washington Office.

# E. Orientation and Training

Most of the training and orientation of the team will be informal and scheduled as the need arises. When new or revised guidelines are presented, the Team Leader will arrange the necessary team briefings and training. New staff may require training from their counterparts in the District or State Offices. Formal training is identified in the following chart.

Tra	ining	Scheduled	Trainees
1.	CSO Orientation to New Planning Regs	4/80	IDT
2.	Technical Writing Bureau New Employee	1/81	IDT
3.	Orientation	ASAP	New Employees on IDT
4.	Public Land Planning & Environmental Assessment	When Scheduled in FY 1981	Team Leader District Coor- dinator
5.	Use of Public Input In Resource Decision Making	When Scheduled in FY 1981	Team Leader District Coor- dinator

Each specialist on the IDT will be expected to program for specific technical courses within his/her job category at annual work plan time.

#### III. TECHNICAL ASPECTS

# A. PrePlanning Analysis (PPA)

The Kremmling PPA is completed and approved. It is attached as Appendix I. The PPA includes:

- 1. Identification of issues that impact the resource area.
- 2. Inventory
  - a. Needs (Data Gaps)
  - b. Planned Inventories (Schedules)
  - c. Fiscal and logistical management for SVIM inventory and other inventories.
- 3. Planning Schedules
- 4. Work month requirements for planning effort.

The purpose of the PPA is to lock the planning effort into the Annual Work Plan (AWP) for emphasis and funding.

#### B. SWIM Inventory Plan

This document further refines the requirements, priorities and procedures necessary to implement the Soil, Vegetation Inventory Method (SVIM). Refer to Appendix II.

# C. Public Participation Plan

The Kremmling Public Participation Plan (PPP) was prepared to identify scheduled public involvement, how it fits into the planning system and Kremmling's RMP schedule, and the anticipated results of each phase of public participation. Refer to Appendix III for a copy of the PPP.

In order to expand public participation beyond what is set forth in the PPP, a diligent effort will be made to contact John and Jane Doe, Citizen, who normally do not participate in public meetings or belong to any formal groups or clubs that are represented at such meetings. Specific actions will be to contact by telephone local citizens, attend local meetings, contacts through buesiness conducted in the Kremmling Resource Area office and to request inputs through news releases in local and regional newspapers.

#### D. RMP and Concurrent Programs

# 1. Grazing EIS

The Kremmling RMP/EIS will be designed to meet the requirements of a Grazing Environmental Impact Statement mandated by the Courts (NRDC vs. Morton).

# 2. Coal Leasing

The Kremmling RMP/EIS will be prepared to identify coal tracts that will be suitable for competitive leasing. The Unsuitability Criteria will be applied to coal areas as specified in the 43 CFR 3461.1 regulations. The existing Preference Right Lease Application and existing undeveloped leases will also be analyzed in the planning process. The associated environmental statement prepared on the RMP will meet NEPA's requirements for coal leasing.

# 3. Existing MFP's

Decisions made in the existing Management Framework Plans for North Park and the Hot Sulphur - Granby Planning Units will be implemented where still current. Actions that require a decision and were not addressed in a land use plan but require immediate attention will be analyzed through an environmental assessment. A decision will be made on the results of such an analysis.

# 4. AWP's and Packages

Items programmed for current Annual Work Plans (AWP), program packages and the four-year authorization request will be implemented to the level approved in such budget request. This includes, but is not limited to, the preparation of the Kremmling RMP/EIS.

APPENDIX I



PRE-PLANNING ANALYSIS

FOR THE

KREMMLING RESOURCE AREA

CRAIG DISTRICT

EEE-STVINNO VNVTAELE

INDEMILING RESOURUS AREA

TO DESCRIPTION

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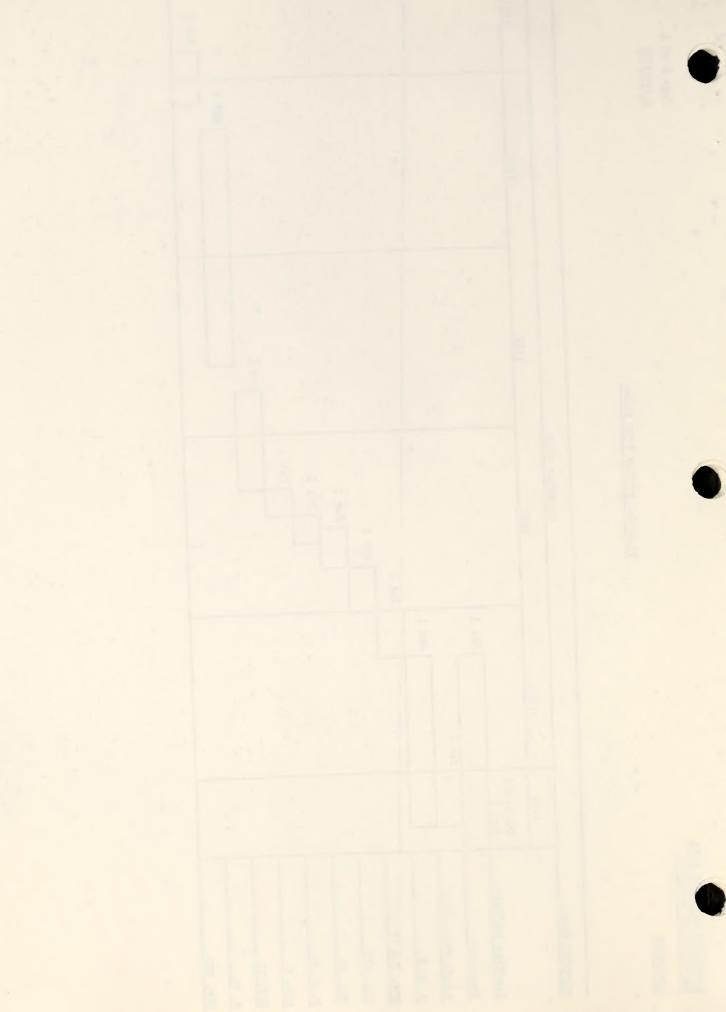
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WORK ELEMENTS AND	CECTION	

INVENTORY

Page 1 of 1 8/10/79

PLANNING SYSTEM TIME FRAME

PLANNING PHASE				CALENDAR YEAR	R YEAR						
	1979	1980		1981		1982		1983		19	1984
Pre-Plan Analysis	Completed July 1										
Inventory			Oct 1	1.						1	
Public Part. Plan		Jan 1									
8. E. S.			0ct 1					•			
- URA. I 6 II		•	Jan	<b>-</b>							
URA. 111				Apr 1							, r
מא. זע			16:	Jun 1							
Р. А. А.				362	-						
HFP. I					Oct 1						
MFP. II						Apr 1					
2. 3.									0et 1		
KFP. III							•			Zeb	4:



#### PRE-PLANNING SUMMARY

# TIME-FRAME SUMMARY OF SECTION IV

R	A	N	C	F.	•
-			•	-	•

Pre-inventory 18 Mar 79 - 1 May 80

Inventory 1 May 80 - 1 Oct 80

# WILDLIFE:

Terrestrial 1 May 80 - 1 Oct 80

# RIPARIAN/AQUATIC:

Mapping Prioritize 1 Nov 79 - 1 Mar 80

Aquatic Sampling 18 May 79 - 15 Aug 79

Riparian Inventory 15 May 80 - 1 Oct 80

RECREATION: 1 Mar 79 - 1 Oct 80

# CULTURAL RESOURCES!

Archeological 1 Jun 79 - 1 Oct 79

Paleontological FY 1980

TRANSPORTATION: 15 May 79 - 1 Oct 79

FORESTRY: 1 Apr 80 - 1 Oct 80

FIRE MANAGEMENT: 1 Jul 80 - 1 Sep 80

HYDROLOGY/WATERSHED: 1 Sep 79 - 1 Oct 80

#### MINERALS:

Mineral Resource Inventory 1 Jun 79 - 1 Oct 79

KREMILING RESOURCE AREA
INVENTORY PRE-PLANNING ANALYSIS

Page 2 of 7.
8/10/79/

# S.V.I.M. Input Data Completion Schedule

		WORK	BEGINNING	COMPLETION
PERSONNEL	FORM (#'s)	DAYS	DATE	DATE
S.V.I.M.				Company to the second
Crew	V1 (600)	120	15 May 80	1 Oct 80
S.V.I.M. Crew	V2 (600)	120	15 May 80	1 Oct 80
S.V.I.M.	wa (coo)	120	15 Vo. 90	1 Oct 80
Crew	V3 (600)	120	15 May 80	1 000 00
S.V.I.M.				
Crew	V6 (600)	120	15 May 80	1 Oct 80
Temp. 1-2				
J, P, N	VA (300)	120	w/mapping	1 May 80
Temp. 1-2 J, P, N	VB (2)	120	w/mapping	1 May 80
<u> </u>	<u> </u>		<b>жүшаррти</b> д	1 my oo
C, E, G	VF (2)	10	literature	
			search	
C	VH (300)	120	literature	
			search	
F, G, J	VP (2)	150	15 May 80	1 Oct 80
, 0, 0	V1 (2)	1.10	13 May 00	1 000 00
1, 2	VR (60)	20	literature	
<del></del>			search	
C, E, G	VU (2)	20	literature	
			search	
S.V.I.M.				
Crew				
Temp. 30-31	VW (2)	120	15 May 80	1 Oct 80

#### PRE-PLANNING SUMMARY

# W/M ALLOCATION SUMMARY OF SECTION VI

#### RANGE:

Range inventory activities in the Kremmling Resource Area will require a total of 214½ W/M during FY-79, 80 and 81. Of these, 66½ will be provided by permanent employees of the area and district offices. The balance, 148 W/M will be supplied by temporary employees in FY-79, 80 and 81.

Key temporary positions include two eleven-month positions scheduled to be hired 1 October 1979. Two of these individuals (2 and 3) will be involved in mapping range sites, improvements and allotment boundaries. This information must be compiled in a usable form in preparation for SVIM inventory during FY-80 field season.

The services of two temporaries with expertise in botany are pivotal to maintaining the quality and repeatability of vegetation data. These individuals will be responsible for collecting data concerning plant physiology as it applies to the Resource Area. This data includes phenological stages (the physical appearance of plants in each phenological stage), age class (appearance of each age class), condition class (determination of the physical appearance of normal, healthy plants), proper use factors (allowable use on present plant species) and phenological adjustment factors (the percent of total production at each phenological stage).

The services of the District Botanist are required to identify and map threatened and endangered plants found in the Resource Area. In addition all plant species found in the area should be collected, identified and preserved in the District herbarium. These preserved specimen should be made available to Resource Area personnel during the vegetation inventory.

SVIM field procedure will be carried out during FY-80 field season. Sixteen temporary employees will be on board 1 May 80. These-temporaries will be divided between North and Middle Park. Data on range composition will be available for high priority areas by 1 October 1980 for the Resource Area.

#### WILDLIFE:

The 6602 wildlife survey is integrated with SVIM. Data on special habitat features and species occurrence will be obtained by range survey crews. Food habits for major herbivor population found in the Resource Area will be obtained. This data will be integrated with range survey data to determine big game carrying capacity for the Resource Area.

# RIPARIAN/AQUATIC:

Successful completion of the aquatic inventory is dependent on securing two temporary employees for FY-79 field season. Riparian areas will be mapped and inventory priorities will be set prior to FY-80 field season. Riparian habitat will be surveyed by range inventory crews.

#### RECREATION:

The North Park V.R.M. inventory contract will be completed by 1 February 1980. The Middle Park V.R.M. update will require one W/M temporary and one W/M permanent during FY-79 and 80. Upper Colorado River and administration of the permit system will require six permanent and eleven temporary W/M during FY-79 and 80.

# CULTURAL RESOURCES:

Contract administration of three Class II and one Class I contract will require one permanent W/M. A paleontologic survey will require one permanent W/M.

# TRANSPORTATION:

Five temporary positions are required for this inventory. Of these, four are programmed for FY-79, while one (position 29) should be added at FY-79 mid-year.

#### FORESTRY, FIRE MANAGEMENT:

A forest inventory will be compiled from existing data at a cost of two permanent W/M during FY-80. Fire management will require an additional two W/M during FY-80.

# HYDROLOGY/WATERSHED:

Hydrologic/watershed studies will be headed by the District Staff Hydrologist, R. Ingils, at a cost of 184 W/M during FY-80.

#### CLIMATE:

Data on Resource Area climate will be compiled at a cost of one permanent W/M during FY-79.

#### MINERALS:

Mineral inventory will be carried out in field season 79 at a cost of six temporary W/M. Existing data will be compiled and updated during FY-80 at a cost of one permanent W/M.

Plant Key

## PRE-PLANNING SUMMARY

EQUIPMENT/MATERIALS/	HOUSING	SUMMAR	Y OF	SECTION	VII	
I. RANGE SURVEY						
<u>FY-79</u> :						
1. 4 X 4 Vehicles	3 ea	15 May	79 -	15 Aug	79	In-house
2. Office Space For One Temporary		15 May	79 -	15 Aug	79	In-house
3. 7.5' Quads		15 May	79			In-house
4. N.P. Orthophotoquads		15 May	79			In-house
5. Tape, Compass, Map and Photo Cases		15 May	79			In-house
6. 9" x 9" Aerial Photos		15 May	79			In-house
7. 16 Motel Nights In Walden, Colorado		15 May	79			Rental
8. Woven Wire For 100 Ca	ges	15 May	79			Purchase
9. Instamatic Camera		15 May	79			In-house
			1.			
<u>FY-80</u> :						
1. 4 X 4 Vehicles	9 ea	. 1 May	80 -	30 Ser	80	Rental .
2. 4 X 4 Vehicles.	3 ea	1 May	80 -	30 Sep	80	In-house
3. 6 Residence Trailers		1 May	80 -	30 Se	80	Rental
4. 1 Office Trailer		1 May	80 -	30 Sep	80	Rental .
5. 1 Office Trailer		1 May	80 -	30 Sep	81	Rental

# 1 Office Trailer 1 May 80 - 30 Sep 81 Rental SVIM Manual 10 ea 1 May 80 - 30 Sep 81 DSC Provi SVIM Sampling Equipment 10 ea 1 May 80 - 30 Sep 81 Purchase Instamatic Cameras 8 ea 1 May 80 - 30 Sep 81 Purchase Pocket Calculators 8 ea 1 May 80 - 30 Sep 81 Purchase Field Bird, Mammal,

1 May 80 - 30 Sep 81: Purchase

8 sets

	TORY PRE-PLANNING						10	8/10/79	
1	L. Plant Press 8 es	1	May	80	- 30	Sep	81	Purchase	
•		gia de la Granda							
. 1	2. Dissecting Scope	. 1	Oct	79				In-house	
1	3. Herbarium Case	1	Oct	79 -	1			In-house	. 1
1	4. Laboratory Plant Keys	1	Oct	79				In-house	
1	5. Soil Inventory Equipment	1	May	80	- 30	Sep	80	In-house	
1	6. Heilocoptor Time								
1.5	(180 hours)	1	May	80	- 15	Nov	80	Renta1	•
. <u>W</u>	LDLIFE INVENTORY					•			
F	<u>′-80</u> :								
1.	Binoculars 8 ea	1	May	80				Purchase	
2	165' X 11mm								
	Climbing Rope	2.4	May	. 4				Purchase	1
3.	25 Oval Carabiners	1	May	80			•	Purchase	
4.	50' X 1" Tubular Webbing	1	May	80				Purchase	
5.			May	*				Purchase	• • •
								Purchase	
			May						
	. Climbing Helmets	1	May	80				Purchase	
<u>R</u>	IPARIAN/AQUATIC INVENTORY	1							
1.	4 X 4 Vehicle	15	May	79	- 15	Aug	79	In-house	
2	. 4 X 4 Vehicle	15	May	80	- 15	Aug	80	In-house	
3.	Fish Shocker	15	May	79	- 15	Aug	79	.In-house	
4.	Fish Shocker	15	May	80	- 15	Aug	80	In-house	
. 5	Surber	15	May	79				In-house	
6	Nets, seines	15	May	79				In-house	
. 7	Office Space For								
	Two Temporaries	15	May	79	- 15	Oct.	79	In-house	
8	Office Space For Two Temporaries	15	May	80	- 15	Oct	80	In-house	
						14.		In-nouse	

KRENMLING RESOURCE AREA

III.

INV	ENTORY PRE-PLANNING	8/1	0/79
IV.	RECREATION		
	1. 4 X 4 Vehicle	15 May 79 - 30 Sep 79	In-house
	2. 4 X 4 Vehicle	15 May 80 - 30 Sep 80	In-house
	3 Gamera., 135mm, normall Lenus	1.5 May 800	Purchase
	4. 70/210 Zoom Lens for above	15 May 80	Purchase
	5. Compass 2 ea	15 May 80	Purchase
	6. Office Space For 2 Temp.	15 May 79 - 15 Aug 79	In-house
	7. Office Space For 1 Temp.	15 May 80 - 15 Aug 80	In-house
	8. 4 X 4 Vehicle	Field Season 80	Purchase
	9. Rubber Raft 2 ea	Field Season 80	In-house
	10. Two-way Radio, portable	Field Season 80	Purchase
	11. 19' Self-Contained		
	Residence Trailer	Field Season 79 - 80	Rental
V.	CULTURAL RESOURCES		
	1. 4 X 4 Vehicle	Field Season 79	In-house
	2. 4 Motel Nights, Denver	Field Season 79	Purchase
	3. Binoculars	Field Season 80	Purchase
VI.	TRANSPORTATION		
	1. 4 X 4 Vehicle 3 ea.	15 May 79 - 30 Sep 79	In-house
	2. Office Space for 5 Temp.	15 May 79 - 15 Aug 79	In-house
	3. Compasses 2 ea	15 May 80	Purchase
	4. Binocular	15 May 80	Purchase
VII.	MINERALS		
	1. 4 X 4 Vehicle	15 May 79 - 15 Aug 79	In-house
	2. Office Space For 1 Temp.	15 May 79 - 15 Aug 79	In-house
VIII.	HYDROLOGY/WATERSHED		
	1. Conductivity Meters	15 May 79 - 15 Oct 80	In-house
	2. Current Meters	15 May 80 - 15 Oct 80	In-house
	3. Snow Course Equip.	15 Dec 79 - 15 Apr 80	Purchase
	4. 4 X 4 Vehicle	15 Dec 79 - 15 Apr 80	In-house

#### MAJOR RESOURCES ISSUES

# TO BE RESOLVED AS A RESULT OF THE PLANNING PROCESS

#### IN THE KREMMLING RESOURCE AREA

All resource conflicts or issues will arise as a result of the allocation of limited resources where the demand for these resources generally exceeds their availability. Issues will occur whether the resources are renewable or non-renewable and will result from the political, socio-eco, or natural resource needs of an area.

Since the Bureau is charged with the conservation and wise use of our natural resources, it is necessary to first consider providing for sustained or wise use. Where over-utilization is apparent, conservation will be necessary. Where under-utilization occurs, use can be authorized.

Social, economic, and political needs will generate the issues in sustained resource use and allocation. A pole of local users including individuals from federal, state and local governments, private industry, conservation groups and unattached persons was used to develop major resource issues important to the local community. These issues were consolidated into the following list.

- 1. The lack of reliable inventories and land use planning is holding up proper management while present plans are not current to other local management objectives and resource allocations.
- 2. No effort has been made to eliminate delays, streamline processes or eliminate red tape during a proliferation of an ever-encumbering number of procedures and levels of review.
- 3. Public feedback in the form of continued communications, information and education has not been established to cultivate a two-way exchange between BLM, user groups and the general public. Consequently, their ignorance of BLM functions creates misconceptions and dissatisfaction.
- 4. Physical projects on the ground for the immediate needs and proper use or enhancement of any resource use is essentially nonexistent or lacks in quality if completed.
- 5. There is not an acceptable level of supervision, enforcement or safety assured for the use of public lands:

- 6. Bureau employees as public servants are not considered productive or efficient who create false starts and delays due to:
  - a. Large numbers
  - b. Lack of:
    - 1. Knowledge
    - 2. Training
    - 3. Experience
    - 4. Education
  - c. Preoccupation with "planning"
  - d. Rapid turnover
  - e. No supervision

These issues can be addressed only through reorganization, inventory and implementation.

The following are some of the major data inputs needed to address important issues and complete the planning process:

#### RANGE

The Kremmling Resource Area range inventory will precede an environmental statement to be completed by 1983. The environmental statement is required by a court decision (National Resource Defense Council vs. Hughes). Major issues to be resolved through the planning system include:

- 1. The impacts and effects of livestock grazing on critical or sensitive watersheds, such as riparian stream communities.
- 2. The allocation of range forage and its effects on economic stability of the ranching community, should substantial reductions in grazing capacity be warranted.
- 3. The competition between livestock and wildlife for forage, primarily with regard to browse plants on winter range.
- 4. The effects of grazing on the habitat of Threatened and Endangered species and plants.
- 5. The interpersonal conflicts which could arise if permittees are subjected to combining allotments.

- 6. The effects of timber harvesting on the distribution patterns of livestock within an allotment and the suitability of timbered areas for additional temporary supplemental forage for grazing.
- 7. The impacts of increased mining activities on rangeland which is currently producing livestock forage.

# WILDLIFE

Three major issues will be addressed in the upcoming planning effort. These issues were addressed, based upon the assumptions that: (1) the current wildlife habitat management priorities do not change prior to the MFP and (2) the wildlife habitat inventories scheduled prior to the URA are, in fact, conducted.

- 1. The effect of the proposed livestock grazing levels on wildlife habitat will be considered in the MFP. Objectives that will provide for wildlife habitat needs will be formulated in the MFP to assure sufficient allocation of forage for wildlife in the E.S.
- 2. The consideration and protection of wildlife habitat values in the development of energy minerals will be addressed in the MFP. Public lands identified as potential mineral development areas provide habitat values necessary for the life cycle of many wildlife species, especially those associated with the sagebrush ecosystem.
- 3. Management needs consistent with wildlife population objectives formulated by the Colorado Division of Wildlife will be addressed in the MFP to assure a balance between wildlife numbers and diversity and available public land habitat.

## RIPARIAN/AQUATIC

The major issue to be addressed in fisheries is the relationship between aquatic and riparian habitat and cattle grazing. The MFP will help resolve the problem of degrading stream and riparian habitat while at the same time providing adequate watering areas for cattle. Will protection of the riparian and aquatic habitat require complete exclosures in these areas? In combination with this, will stream improvement structures be needed to rehabilitate degraded areas? Is there a demand for more fishing areas and access in the Resource Area and, if so, will the Bureau in cooperation with the Colorado Division of Wildlife be able to develop these resources?

# CULTURAL RESOURCES

Major current issues prior to URA/MFP include (1) the lack of a comprehensive, acceptable Class I/Cultural Resource Overview which will supply

.Page 4 of 5

base data for URA/MFP, SEP and PAA; (2) amount of BLM-administered surface inventoried on a Class II inventory is less than 6/10 of 1%; (3) historic sites not thematically integrated; (4) paleontological inventory and data is minimal.

Other problem areas which MFP will hopefully solve (or mitigate):

- 1. ORV use in North Sand Hills can begin conflict with significant archeological sites which will eventually be nominated to the National Register of Historic Places (MRHP) (see FY-81 package from CDO).
- 2. The URA/MFP Cultural Resources sections will be rewritten for Middle Park and updated for North Park.
- 3. URA/MFP will point out need for NRHP nominations for the backlog of sites needing such protection.
- 4. Suitability of BLM lands for coal leasing.
- 5. Need for more and intensive survey of land which will be affected by O&G and uranium development. Owl Ridge, Wolford/Little Wolford Mountain, Owl Mountain, Dice Hill and Green Ridge are areas where mineral development could become an issue.

## RECREATION

There is lack of guidance on inventorying, planning, and managing areas of critical environmental concern. With approximately 50,000 visitor use days over a 17-mile section, the URA/MFP effort must recognize the Colorado River as an important management realm and allocate resources accordingly. Areas that qualify for potential wilderness Preservation System. Additionally, a management direction must be established for the North Sand Hills to decide the proper mix of ORV use, archeological and natural resource protection. Additionally, ORV designations should be made for areas of significant environmental or visitor safety concerns.

#### LANDS

Major lands issues to be resolved through the planning effort include:
(1) The retention or disposal of the numerous small isolated tracts of BLM land within the Kremmling Resource Area; (2) The gradual lessening of trespasses on BLM land within the Kremmling Resource Area (i.e., irrigation ditches and reservoirs, powerlines, telephone lines, roads, structures, cultivated areas, etc.); (3) The control of users such as hunters, fishermen, campers, hikers, floaters, by BLM on private land which is adjacent to public land; (4) The acquisition of easements including roads, trails, fishing, scenic, across private land by BLM for

either BLM use or public use; (5) The siting of rights-of-way, particularly for major utility and transportation projects, across BLM land; (6) The position of BLM concerning water diversions within the Resource Area, particularly on diversions taking water out of the Area. The actions which BLM proposes to undertake in support of this position.

# FORESTRY

Forest land issues, as related to forest management goals, are:

How much timber can we supply on a sustained yield basis to maintain the local economy? Which forested lands are suitable for intensive forest management? Through forest stand manipulations, can we improve wildlife habitat? Through forest management, can we increase and/or improve the amount of water runoff? Will increased forest access routes detract or improve recreational use? Will harvest areas be suitable for grazing? What areas need public access? Will land acquisitions improve total forest management goals? In other words, what intensive forest management goals are consistent and capable of satisfying other resource goals while, at the same time, accomplishing the needs of the forest stands?

## MINERALS

Needs: Complete a Mineral Resource Inventory of the Resource Area to identify mineral areas of importance. Incorporate the coal data generated from the USGS drilling program in North Park and include any coal information obtained during the EMRIA study.

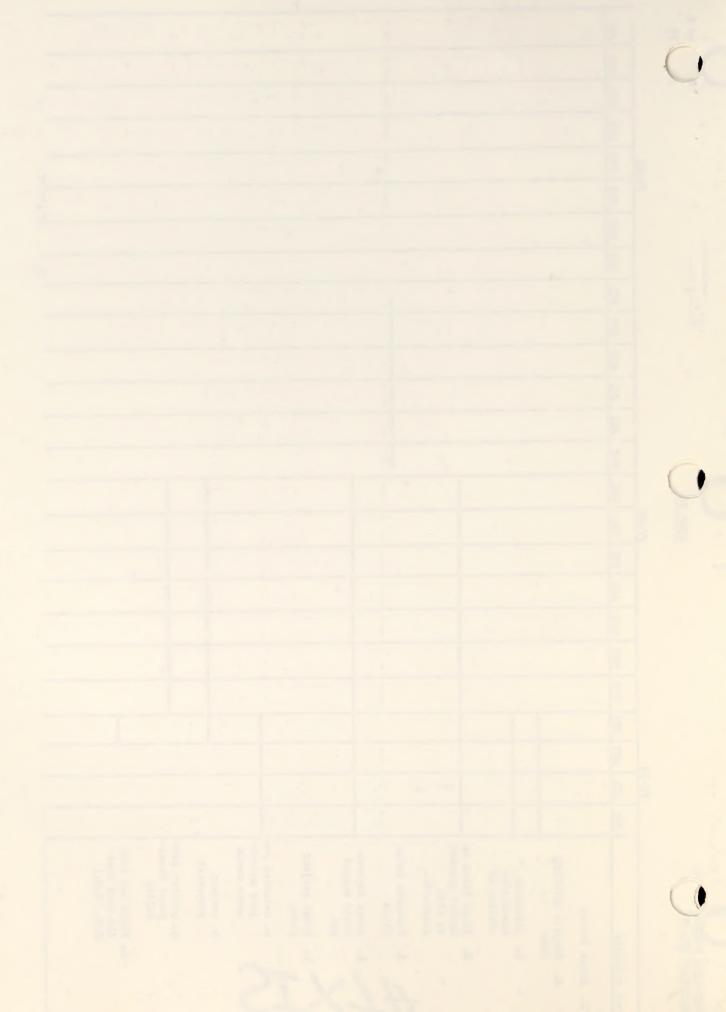
Issues: Identify areas that would be suitable for mineral development; and what types of mining methods are feasible. Coal, oil and gas, and uranium are the minerals most in demand at present in the Area and should be analyzed the most intensively. The economic and social impacts associated with any potential development should be considered along with major environmental problems. The unsuitability criteria will be applied to potential coal lease tracts in the URA process.

#### SOILS AND WATER

What are the potentials and susceptibilities of the soils resource? Of the water resource? What are the conditions and trends? How can the productivity be maintained or increased? For what type of use? On what sites? When is it necessary to develop the potentials, and how does this impact the environment?

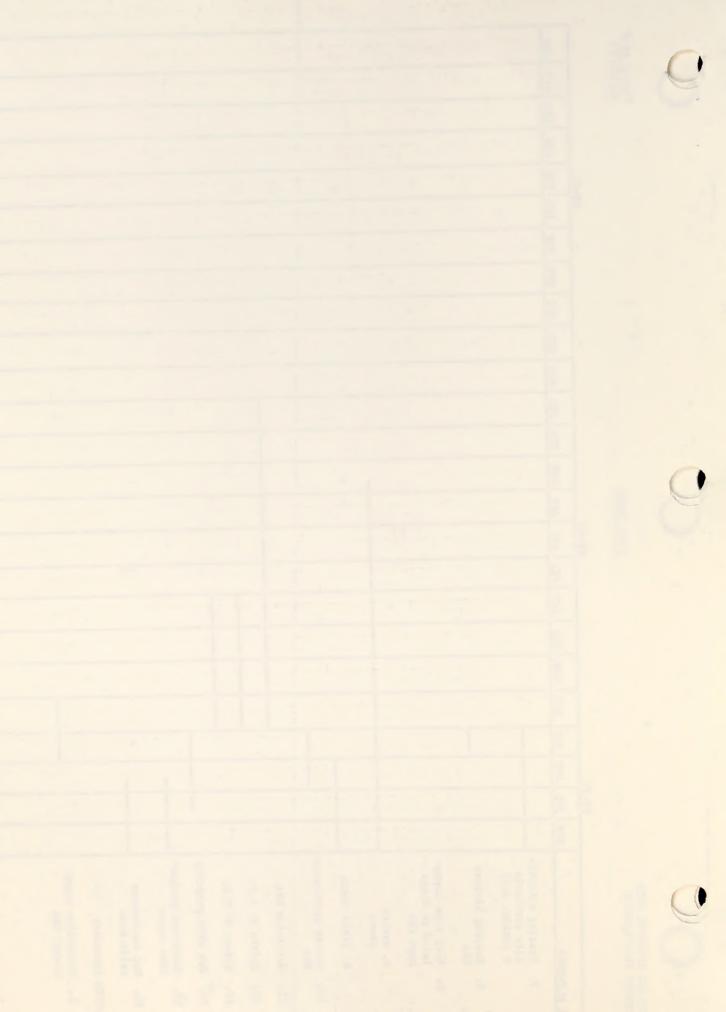
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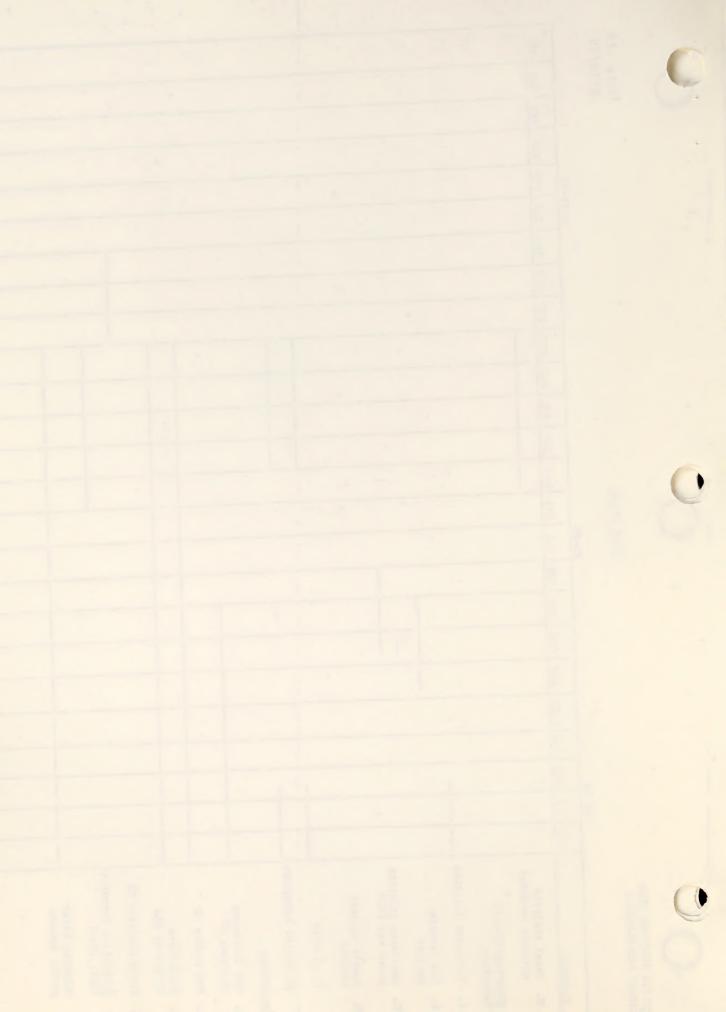
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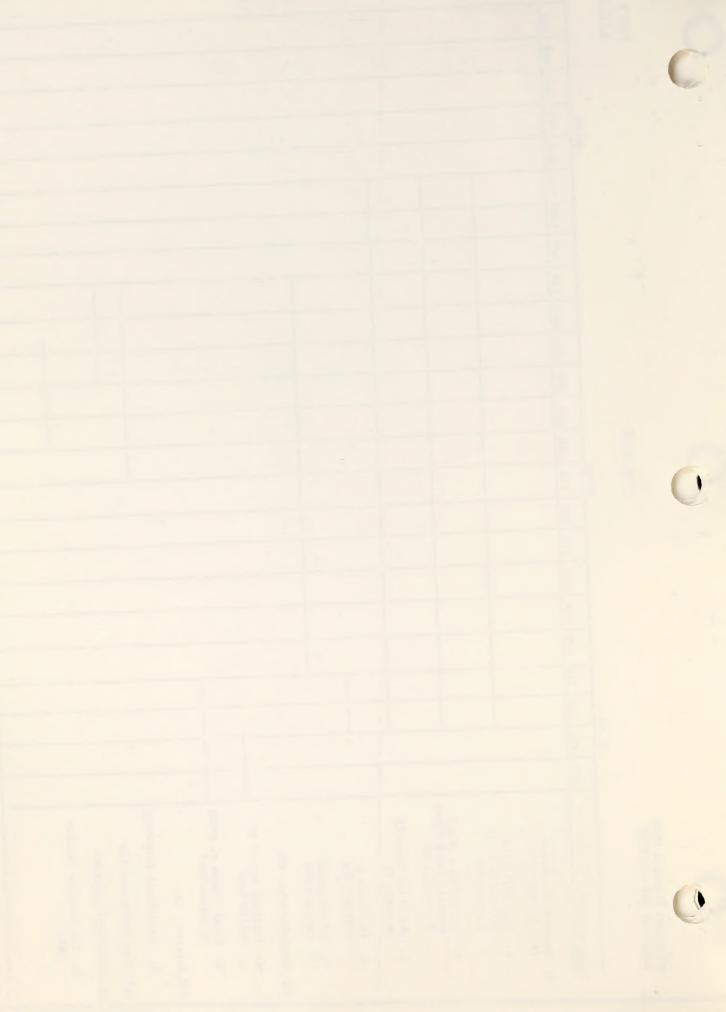


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KREPGLING RESOURCE AREA INVENTORY PRE-PLANNING

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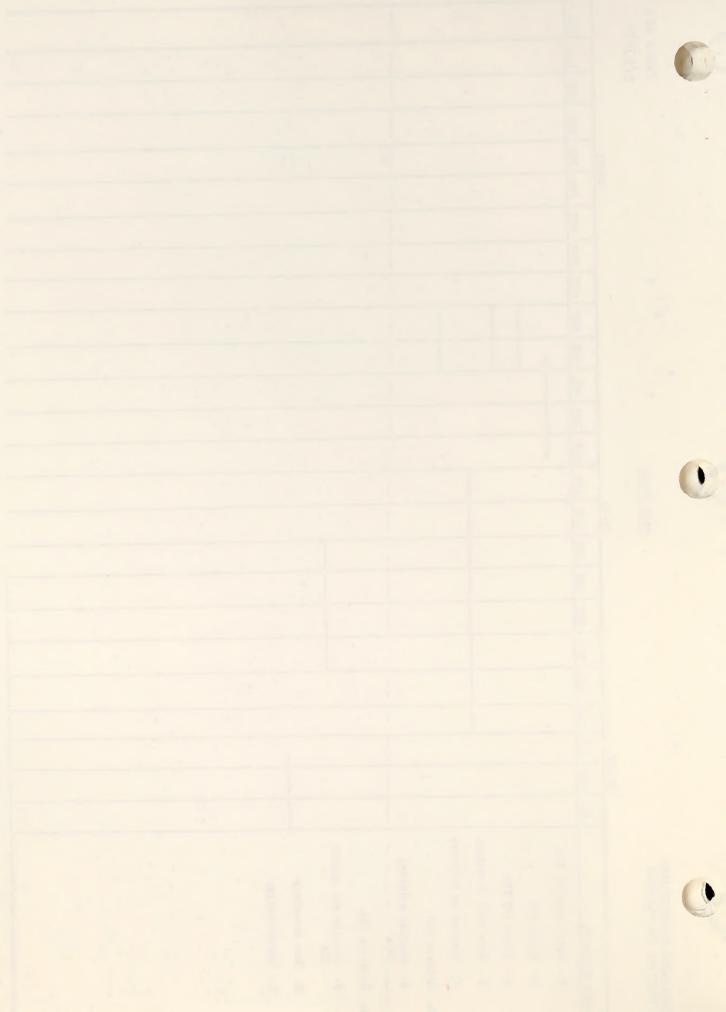


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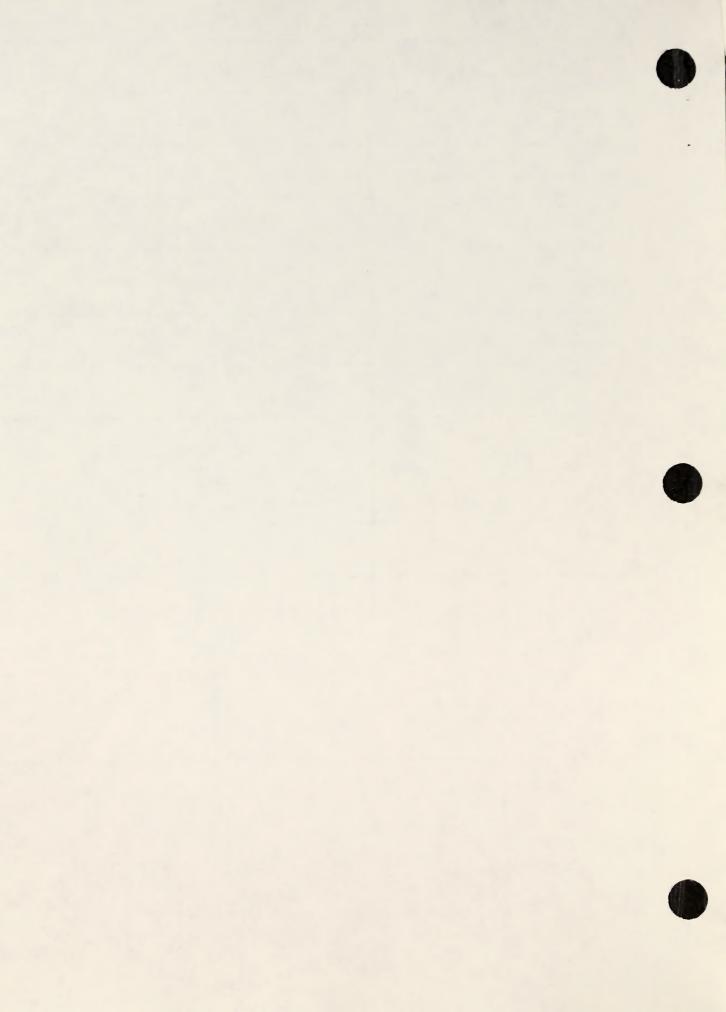


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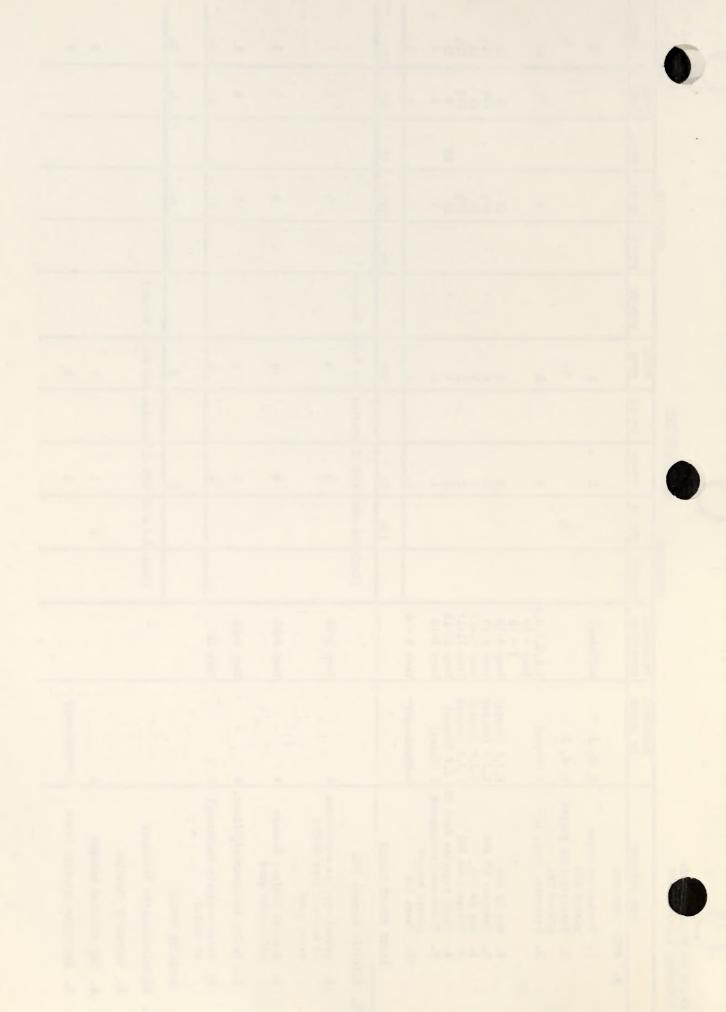
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.I. Range Survey				•				• • • • • • • • • • • • • • • • • • • •		٠.			٠٠,
A. Compile existing data KRA													
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Z. Range sites mapped KRA	J, P (Hoppe), T (Kordziel)	7, 7			4		4			8		8	
3. Separate range sites	P (Murdough)				7.					01 01	1	์ ส	# F
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5. Range project plans	0	· · ·							•				
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8. Grazing history KRA	E,G,J	1, 2 = 5	• •	7.			20			×.		<b>J</b>	н.
Range type correlated.				4.		**							
to veg. type  4. Aerial photo KRA	E, G, J, P	1.88.46				<i>7</i> .	н		•	*		3	72
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b. Field check KRA	E. G. C. S. S.	, 10					7		*			יוג	
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. 16. Map exclosures/relic	E, G, P (Hoppe)	1,2		-			, H		н			н	7
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B. SVD Inventory		1							•		1.		
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3. Personnel Trng, KRA	P (Hoppe)	7			2		7			•		60	10
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A. Hap MP SWA	_	Temp 3-10			m r	•				19		19.	22 · · ·
6. Map HP SWA					4 m		4 m			19		19	22
7. Transect HE SWA	E, J, P	Temp 11-17					24			194		194	. 412 712
9. Threatened/endangered	2						, ,			2 -1		) H	77
plants mapped 10. Check SSF	D (Hundowyth)	Тепр 3 - 6	1	•	1 .			1 *	•		174.* 	-	2.
RANGE SURVEY TOTALS				ंश्रा	. 55		664		×	4671	12	165	314
II. Wildlife Surveys KRA			(Incl)	(Incl. dad oft)	W/W Allocarton	_	for Range	Toventor					
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A. Animal species occurrence	Ø	Temp 3-16			70		*		· .	æ		Jr.	-
						•							
5. Special habitat feature	æ	Temp 3-16			jr			<i>[</i> 2]		יזנ		74	-
6602/ortho quad													1
C. Pellet occurrence/gollect.	B	Temp 3-16			יג		<b>.</b>			<b>.</b> r		r	+
.D. Fecal analysis (contract)	B. 4	Temp 21			34		7			9		9	
or temp.)													
WILDLIFE TOTALS					2		2			Z.		Z.	46
. Alparian/Aquatic Inventory			(Inclu	(Included with	W/M Allocation		for Range	Survey)				***	
A. Inventory riparien									•				
B. Map riparian habitat	<				-								
C. Determine priority areas	A. T (Johnson)						н			**			
									*	•			

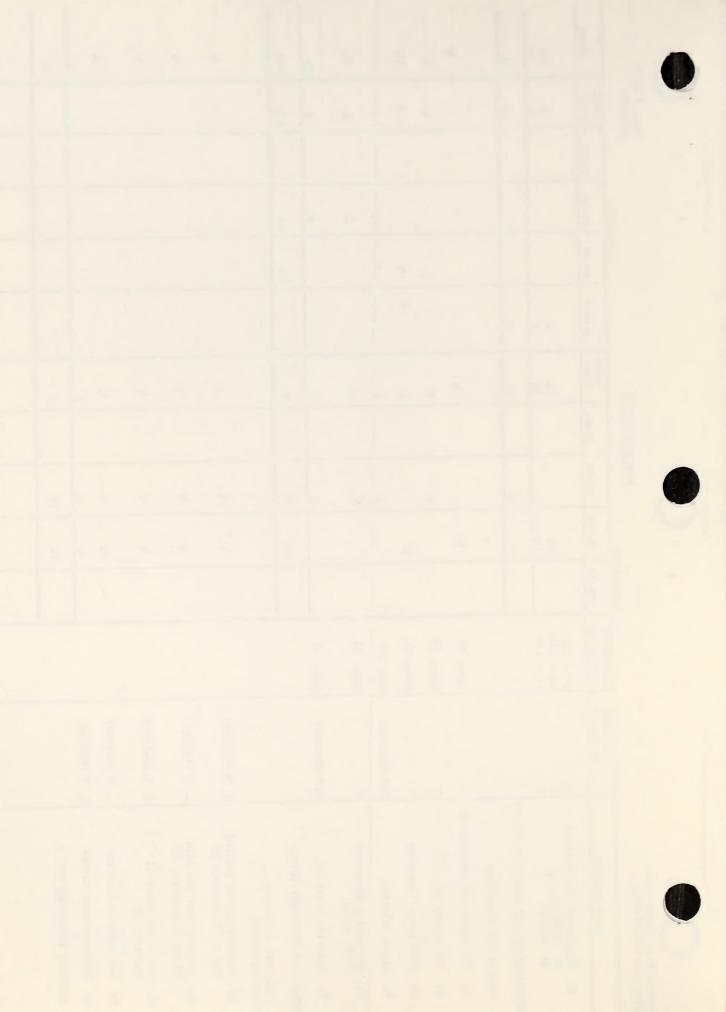


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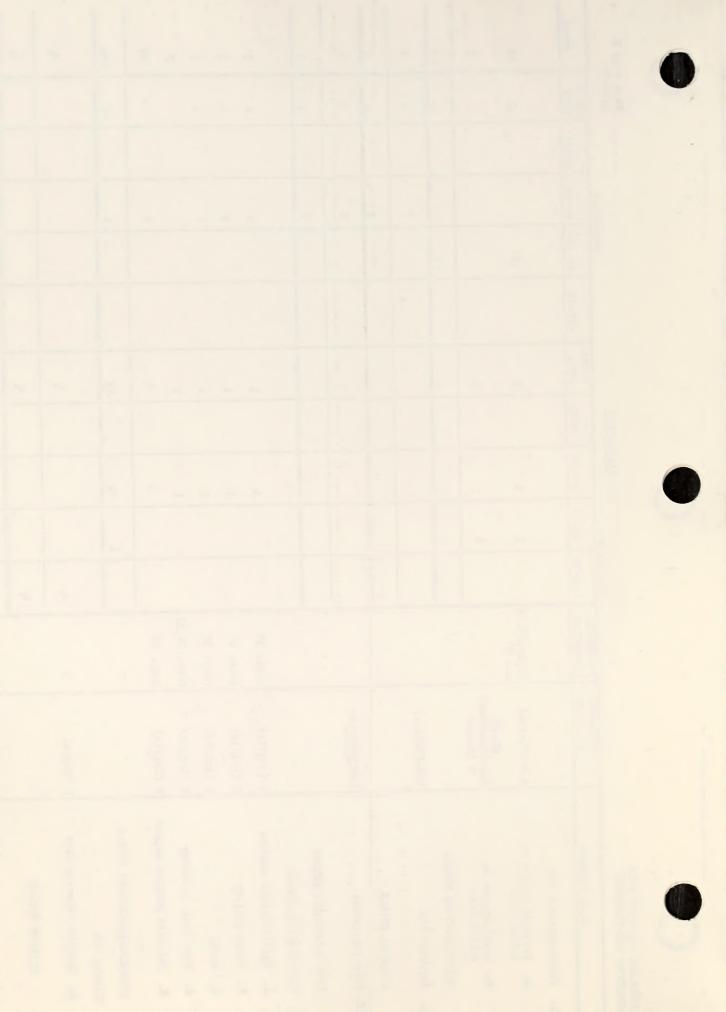
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D. Sample aquatic habitat	*	22 - 27A.								00-11	18-13	2001	TOTAL
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C. Wilderness inventory		Тещ. 29					2		3			Jr.	22
D. Upper Colorado	C, R (Deviene)	ъпр. 30		78,	н		1			1		3	7
R. Recreation Inventory (GRV, etc.)	v	Temp. 30		, <i>F</i>	r.		<b>a</b>			-		4	23
F. Colorado River MP.	C,P-(Device)	Тепр. 30			2		2			60		00	10
RECREATION INVENTORY TOTALS				214	. 45				ñ	12 .		- K1	214
V. Cultural Resources													
A. Wolford/Little Wolford Class II contract MP	H, P (Walton)					•	-21			·;			
B. Independence Mountain	H. P-(Walton)			٠ بر		:							J.
C. Oul Ridge Class II contract NP	H, P (Walton)			.30		•	יצ				•••		
D. KRA Class I contract	H, P (Walton)	•				* :	`r		•				
Z. Paleontologic survey	H. P (WAITOM)			×	7.								
CULTURAL RESOURCES TOTALS		•		ੜ	स		8						· m
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INVENTORY PRE-PLANNING			PERMANENT		W/H ALLOCATION	ATTON						6/25/79	
WORK ELEMENT	PERSONNEL IN CHARGE	PERSONNEL COMMITTED	MID-79	FY-79	PY-80	- W- B1	TOTAL	200	12m-0km	NAME OF THE PERSON	3	TOTAL	
VI. Transportation KBA				·			:	1000	61-13	08-11-80	18-17	TENP.	TOTAL
A. Physical access to public land	K,P (Sherry)	25,26,27,28 and 30			•	٠.	•		77		•		16
. B. Legal access to public land	R.P. (Koronosa) T (Atrow)			1									H
TRANSPORTATION TOTALS				7	1		5		12			12	17
VII. Forestry KRA	I, <del>T (Tayl</del> or)						· ·			2		7	2
FORESTRY TOTALS										2		2 -	2
VIII. Fire Management	I, P. (Hager)				•					2 %		7	2
FIRE MANAGEMENT TOTALS										2	7.7.	2	2
						la se							if
A. infilitration studies  B. Water quality	P (Ingils).	Temp. 35			· ·					,		4	\$
		Temp. 35					4 4			n -			2
D. Snow Pack Inventory	P (Ingils)	Тепр. 34,35	· :				7						
E. Salinity sources mapped	P (Ingils)	Тещ. 35			יזג		74						*
HYDROLOGY/WATERSHED TOTALS		•			. 47		54			3		2	184
K. Climate KRA													
A. Compile existing date P	P (Hoppe)	י	25	:			יינ						*
CLDATE TOTALS			۲.				x						74
													-



KREPALING RESOURCE AREA INVENTORY PRE-PLANNING				•	W/H ALLOCATION	NOTT.					Page 6/25/	Page 5 of 9 6/25/79	
manua 10 Advi	PERSONNEL		עב שניי	5	000	1	TOTAL			1	1	TOTAL	
MONN ELEMENT	IN CHARGE	COMMITTED	MID-13	6/-14	08-X4	18-22	PERM	MID-79	FY-79	FY-80		TEMP	TOTAL
XI. Minerals KRA													
A. Compile update URA	ı	Temp. 31										•	-
B. Mineral Resource Inventory		Temp. 31					-		•				7
MINERALS TOTALS				н			2		9			9	00
XII. Public Participation Plan		S.C.G.E.I.N				-	н						-
A. List of public to contact													
				• •									
C. Gov. & agencies meetings				T		1		1 1 2					
PUBLIC PARTICIPATION TOTALS .						1	. 1		1				
III. U.R.A. Step I	4	J.H.T				1	н						1
А. Вазе шар				1. *.	•		. 4 - :						
B. Location maps													
G. Checklists				•									
D. Overlays made up				•									
U.R.A. STEP I TOTALS						_	-1				:		1
CTV. U.R.A. Step II													
A. Climate	•						-		•				
B. Topography	ל		:			-	-		•				H
C. Geology	P (Benny)	•	•			н	. н					)	-
D. Solls	P (Aurdoneh)?			•			· .		٠				H
E. Vegetation	9	В. З		•		á							· ·



EREPORTING RESOURCE AREA INVENTORY PRE-PLANNING				.=1	W/M ALLOCATION	ATTON					1.	Page 6 o 6/25/79	٠. ص
			PERMANENT	. E					TEMPORARY	RARY			
WORK ELEMENT	· PERSONNEL	PERSONNEL COMMITTED	MID-79	FY-79	FY-80	FY-81	TOTAL	MID-79	FY-79		FY-81	TEMP	TOTAL
F. Water	Δı				4	+	-						1.
G. Animals	Ø				•	н	н						-
H. Fire	De					н	п						-1
I. Limiting factors	M					-1	-+						1
U.R.A. STEP II TOTALS						. 6	6						. 6
XV. U.R.A. Step III & IV A. Lands	×					m	3						m
	P (Benne)									•			
G. Forest/Veg. products D. Range Hgt.	I, P (Taylor)	X 2 2	*			4 5	4 0						, n
Z. Watershed	De B					// 11							
2. Aquatic	<b>v</b>												
• .	•					en	6					•	e .
E. Cultural	<b>11</b>	Q. T.				4	***						•
I. Transportation	K, P (Shorey)					3 3	. E			7			3.5
XVI. S.E.P. (Contract)	0	r, H			1		-						H
S.E.P. (CONTRACT) TOTALS					1		1						1



ENGING RESOURCE AREA	NATIONI PRE-PLANING
XRE-OGING	TACTURAL.

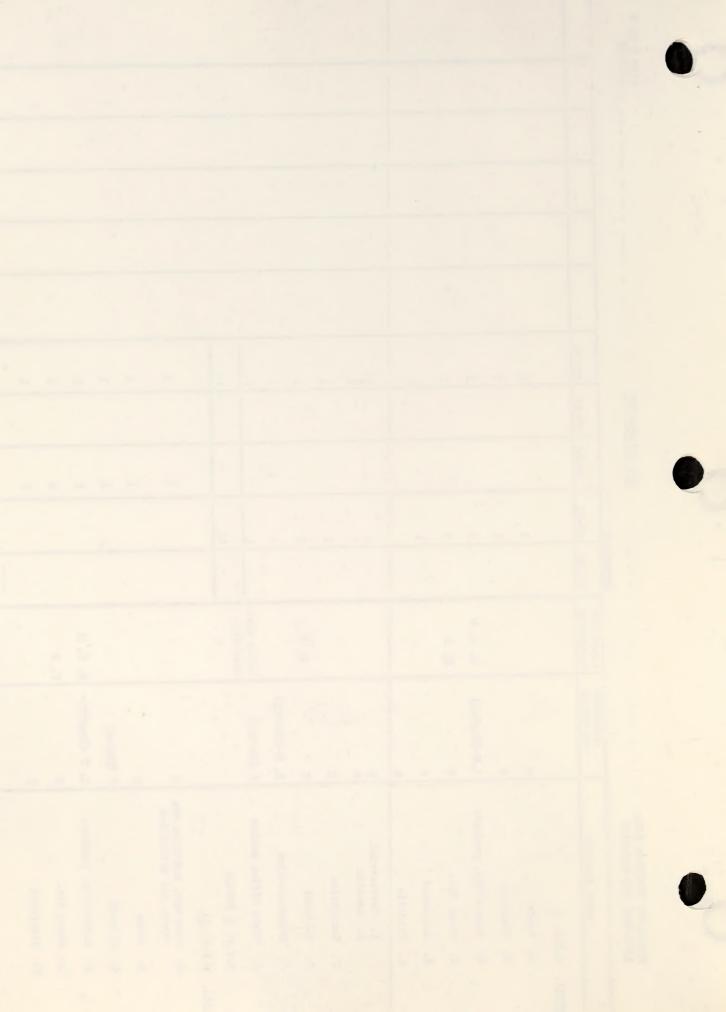
W/M ALLOCATION

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TOTAL FY-81 FY-80 FY-79 MID-79 TOTAL FY-81 FY-80 FY-79 PERMANENT MID-79 PERSONNEL COMMITTED (contract) All Area Staff PERSONNEL . IN CHARGE P (Mareta) Social value analysis Social/Eco. profile Planning Area Analysis PLAINTNG AREA TOTALS WORK ELEMENT



				,					: 2				
KRESCLING RESOURCE AREA				21.	W/H ALLOCATION	ATION						Page 6/25/	8 02 9
NORX ELEMENT	PERSONNET. IN CHARGE	FEISONIEL COMMENDED	ERWANERT	1 67	. 68.72								
XVIII. H.P.P. I			1		-		10101		•				
A. Lands	<b>26</b> 6.				•		H -						
	I, P (Taylor)	D. F. H			• • • • • • • • • • • • • • • • • • • •								
D. Range Mgt.		r, a				r. ¥	2						
E. Watershed	ρ <sub>4</sub> κα						н						
	B V						el el		·				
	w.												
H. Cultural		Q. T											
J. State Office Review	P (Harttu)	State Dist.											
M.P.P. I TOTALS		Area Ofc.	1	14			14						
.A. Area Mgr. multiple use recom. all activities	0				e :		<b>C</b>		* 3 *. ::.* .:.	1.			
B. Lands	×				н.		-		•	111			
C. Mineral	P (Denne)			•	-						• •		
D. Forest/Veg. products	I, P (faytot)	D. F. H			<b>-</b>		-						
E. Range Mgt.	O	E. J.					4	•					•
Z. Watershed	A					:,.	<b>H</b>						



6 3												
Page 9 o 6/25/79											•	
									e)			,
						•					•	• •
								1. (A. (A. (A. (A. (A. (A. (A. (A. (A. (A				
		TOTAL	нн	<b>.</b>	el .	14	122		122			
CATTON .		FY-83.					39		39			
W/M ALLOCATION		FY-82	нн	н н	-	14	83		83			
	II	PY-81		• • • • • • • • • • • • • • • • • • • •								
	FETCHNEIT	FY-80.						n ( )				
		PERSONN'E COMMITTED		Q. F	P. T. O. L.		n 4					
		PERSONNEL IN CHARGE		у ш	K, P (Sherry) P (Martin)							
KREPULING RESOURCE AREA	INVENTORI PRE-PLANETING	HORK ELEMENT	G. Wildlife  1. Terrestrial  2. Aquatic	H. Recreation C. I. Cultural H	J. Transportation K. S.O. Review	H.P.P. II. TOTALS	. 8. S.	B. Draft	C. Final E.S. TOTALS	. K.Z.P. III.		

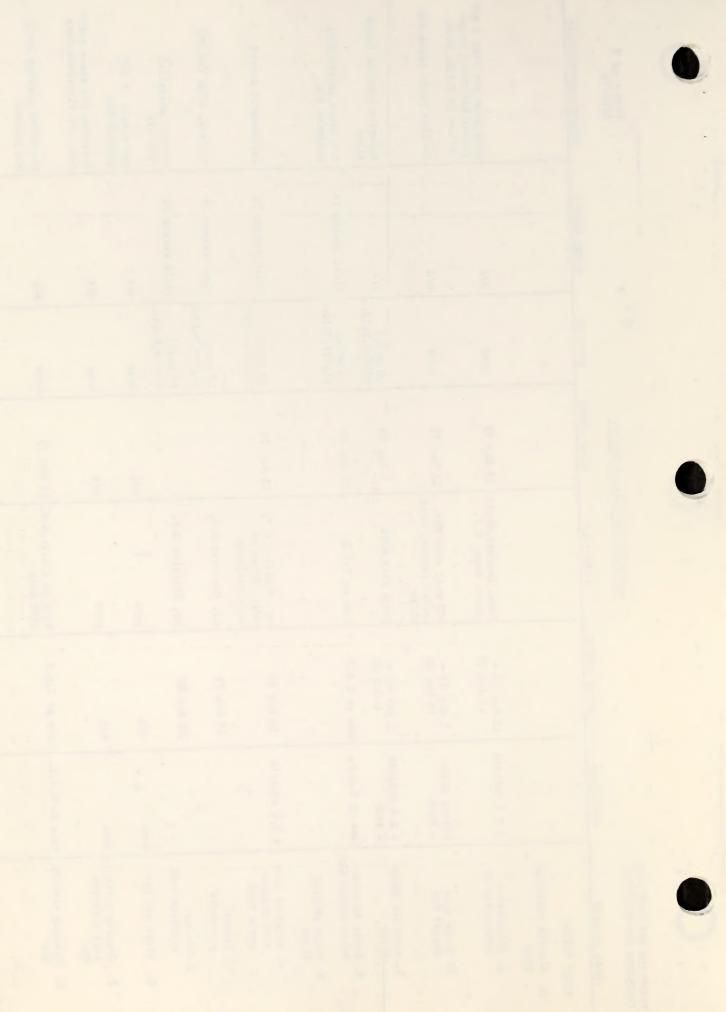


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		RESOURCE AREA
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KREPLING RESOURCE AREA INVENTORY PRE-PLANNING

EQUIPMENT/MATERIALS/HOUSING

HORK ELEMENT	POLITEMENT						6/22/79
		JAMES NEEDED	MATERIALS	DATE NEEDED	HOUSING	DATES NEEDED	PROCEDURE/OR JECTIME
Range Survey A. Compile existing							
data							
1. Allotment , boundaries MP	4 X 4 vehicle	15 May 79 -	Tape, Compass, aerial photo, maps, G.F.	15 May 79	none	N/A	Determine interior 6 ex- terior allotment boun-
2. Range type mapped KRA	office space 2 temp.	1 Oct 79 - 15 May 80	SCS soil maps KRA, serial photos, maps,	15 May 79	none	N/A	daries in Middle Park Outline range types, KRA
3. Separate Range	4 X 4 vehicle 2 each	1 May 80	Range efte maps	1 May 80	30 motel	N/A	
Improve-	Same as I.A.2.	Same as I.A.2.	Same as I.A.2.	.15 May 70	nighte, Walden		stres
5. Range Project.					nights, Walden	Field season 79	Map range improvement projects KRA
a. Existing pro- ject mainte-	4 Z.4 vehicle	15 May 79	dap, District G.F.	15 Kay 79	10 motel	Field season 79	Improvement mapped
b. Project proposals		15 May 79	Range projects 'Aap, District G.F.	1	10 motel.	Field season 79	Project, (URA III TV)
. C. Project		15 Kay 80	dap, District G.P.		nights, Walden 10 motel	Field season 79	D.
. 6. Slope map KRA.	•uou	N/A	none	У/и	aooa	N/A	Map slopes of 500
7. Grazing suitabi- lity criteria ERA	bone	N/A	none	N/A	pone.	N/A	Percent KRA Criteria for areas suite- able for livestock data
S. Grazing history S. KRA	Same as I.A.2.	Same as I.A.2.	Same as I.A.2.,G.F. 1 RHAS Data	15 Kay 79	none	N/A	Determine grazing lavel and periods

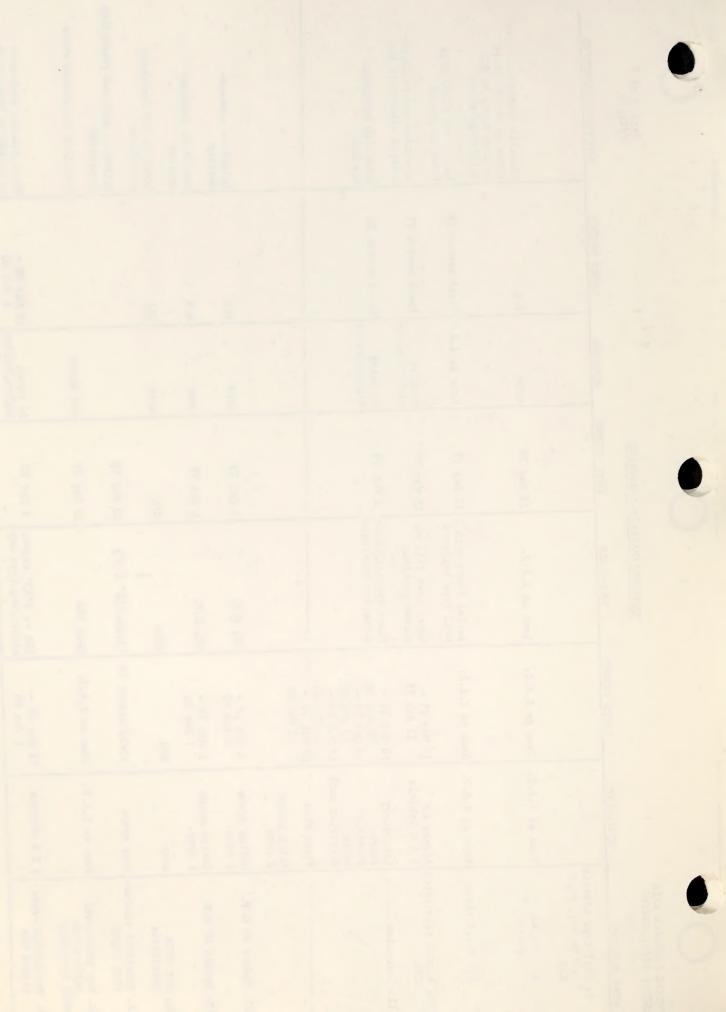




EMING RESOURCE AREA.
VENTORY PRE-PLANNING

EQUIPMENT/MATERIALS/HOUSING

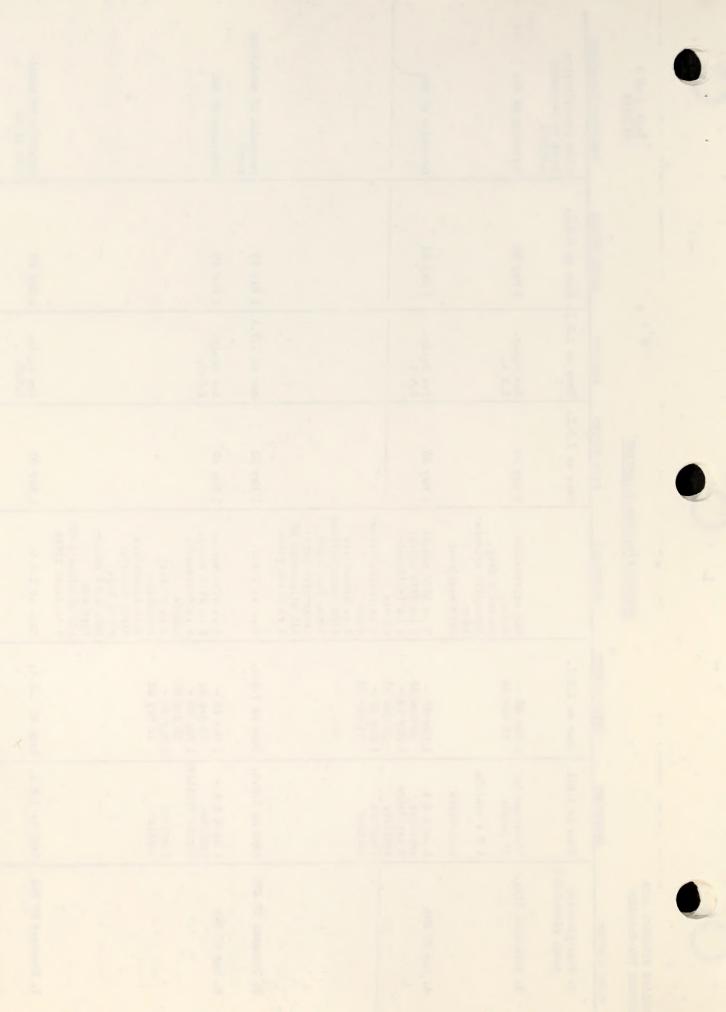
WORK ELEMENT EQ	ЕОПРИЕНТ	DATES NEEDED	HATERIALS	DATE NEEDED	HOUSING	DATES NEEDED	PROCEDURE/OBJECTIVE
Soil type correlated to veg. type			- 0				
Aerial Same	. I.A.2.	Same as I.A.2.	Same as I.A.2.	15 Kay 79	none	м/м	Identify vegetation and types on aerial photo as they apply to SCS soil/rance types
Field check Same as	as I.A.2.	Same as I.A.2.	Aerial Photo with veg. type included	15 May 79	Same as I.A.3 Field	Field season 79	Spot check soil/range types on ground
Access permission Acces	Access to 4 X 4 vehicle	15 May 79 - 15 Aug 79	Maps, case file on access problems	15 May 79	6 motel nights, Walden	Field season 79	Determine ownership, access, of allotments KRA
Labor Space Space Brace Disection Scope Scope Herba	atory ting rium case	10 Oct 79 - 30 Sep 80 10 Oct 79 - 30 Sep 80 10 Oct 79 - 30 Sep 80	Plant mounting, preservation materials	1 Oct 79	40 motel nights, Walden	Field sesson 80	Establish herbarium for KRA
Plant Ke Plant pr 3 each	988	10 Oct 79 - 30 Sep 80	•				
12. Update NP G.F. Office 1 temp.	Office space 1 temp.	1 Oct 79 - 1 Feb 80	MP, G.F.	1 Oct 79	none	N/A.	Establish commens- ability
Update MP G.F. Office 1 temp.	Office space 1 temp.	1 Oct 79 -	. C. F.	1 Oct 79	non.	N/A	Establish commens- ability
priorities none		N/A	none	N/A	none	N/A	Schedule for inventory completion
Construct produc- shop space	space	Field season 79	Wirenet(2" X 4")	15 May 79			Determine ungrazed production pheneology
16. Map exclosure/ Same as relic areas SVIM Inventory	as 1.A.2.	Same as I.A.2.	Maps KRA	15 May 79	not known		Establish comparison areas
Production cages 4 X 4 placed KRA	4 X 4 vehicle	15 May 80 -	100 ea 3'X3' cages, stakes,veg.type maps	1 Apr 80	14 motel nights, Walden	15 May 80 1 Jun 80	Place grazing exclosure to determine production



AREA	INC
RESOURCE	PRE-PLANNING
REPAING	-

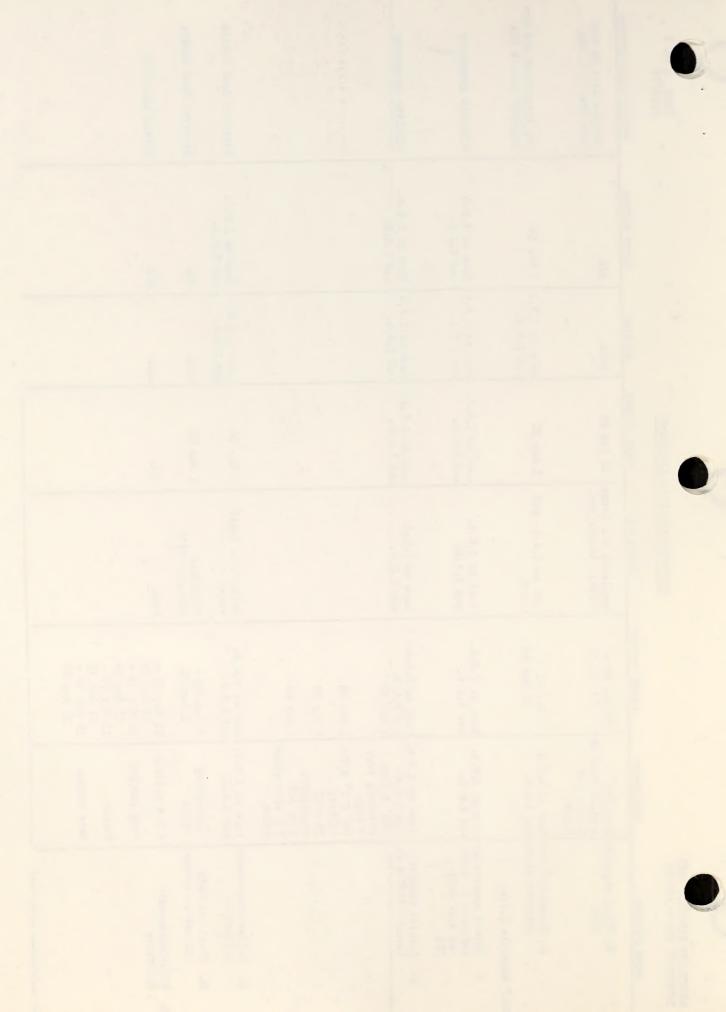
. Page 3 of 7 6/25/79

PROCEDURE/OBJECTIVE	Place precipitation gauge to determine rainfall	Determine NP SWA	Determine NP condition trend trend  Determine MP SWA	Determine MP condi- tion trend
DATES NEEDED	Same as I.B.l.	1 May 80 1 May 80	1 May 80	1 May 80
HOUSING	Same as I.B.1	See Equip.  I.B.4. See Equip. I.B.4.	See equip.	See equip.
DATE NEEDED	Seme as I.B.1.	1 May 80 1 May 80.	1 Yay 80	1 May 80
MATERIALS			4 ea Instamatic camera l ea pocket calcu- lator A ea binoculars frange-type maps, range-type maps, range-type maps, All allotments NP 8 ea plant press Same as I.B.4. 5 ea SVIM manual 5 ea SVIM manual 6 ea Instamatic camera 1 ea pocket calculator 4 ea binoculars Bird, Mammals, Plant Keys Completed range- type map. all allotments NP 8 ea plant press	Same as I.B.6.
DATES NEEDED	Same as I.B.1.	1 May 80 - 15 May 80 1 May 80 - 30 Sep 80	1 May 80 - 30. Sep 80 - 30. Sep 80 - 30. Sep 80 - 1 May 80 - 30. Sep 80 -	Same as I.B.6,
EQUIPMENT	Same as I.B.1.	Classroom for 25 people 4 X 4 vehicle projectors 4 ea 4 X 4 vehicles.	3 residence trailers 1 office trailer Same as I.B.4. 4 ea 4 X 4 vehicles 3 res. trailers 1 office trailer	Same as I.B.6.
WORK ELEMENT	2. Precipitation gauge placed KRA	3. Personnel Tryg.	5. Transact NP SWA.	7. Transect MP SWA

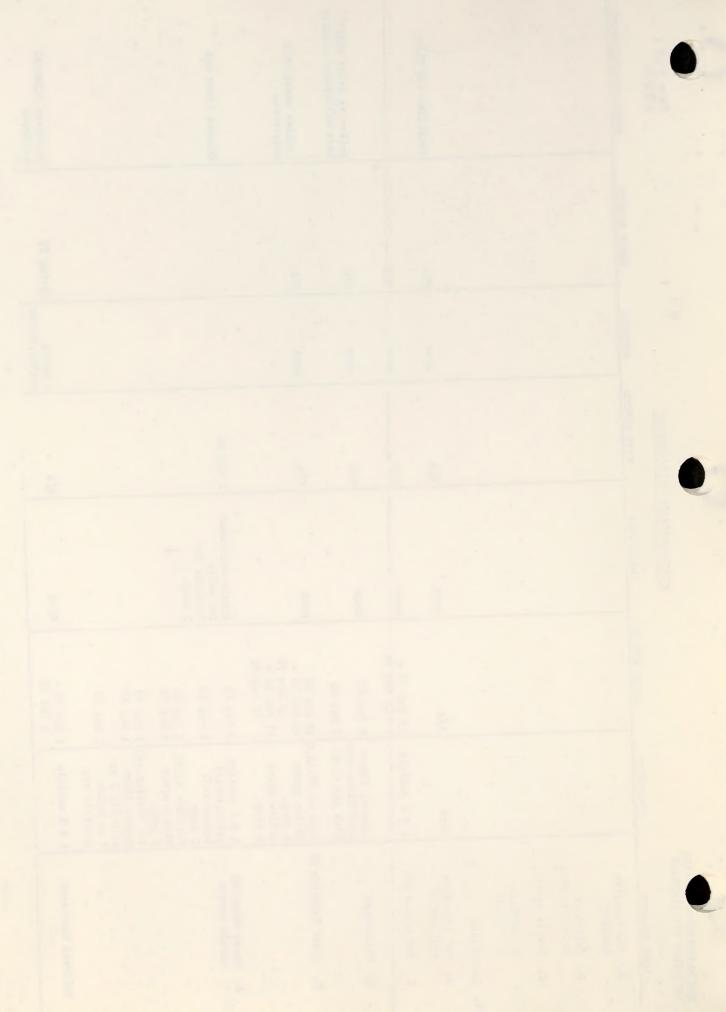


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PROCEDURE/09JECTIVE	Compile data to pre- pare Step III, URA Map threatened and en- dangered plants KRA	Wildlife inventory	Wildlife inventory		Herbivor food habits	Harbivor food habits Stream inventory	
DATES NEEDED	N/A I Hay 80	Same as I.B.4. and I.B.fr.	Same as I.B.4.		Same as I.B.4. and I.B.6,	W/A	
HOUSING	none Same as I.B.4,	Same as 1.B.4. and 1.B.6.	Same as I.B.4 and I.B.6.		Same as.I.B.4. and I.B.6.	•nou	
DATE NEEDED	30 Sep 80	Same as I.B.4. and I.B.6.	Same as I.B.4. and I.B.6.		1 May 80	1 Jun 80.	
MATERIALS	Completed V-1 forms. 6602-1, 6602-2, etc. Same as I.B.4. and I.B.6.	Same as I.B.4. and I.B.6.	Same as I.B.4.		Collection bags/ viles	Chemicals (Hanson 1971) none	
DATES NEEDED	30 Sep 80 - 30 Sep 81 1 May 80 - 30 Sep 80	Same as I.B.4. and I.B.6.	Same as I.B.4. and I.B.6. 1 May 80	1 May 80 1 May 80 1 May 80	Same as I.B.4. and I.B.6.	1 Jun 80 - 1 Sep 80 15 Hay 79 - 15 Aug 79	15 Aug 79 15 Hay 79 15 Hay 79 15 Hay 79 15 Aug 79
EQUIPMENT	l office trailer same as I.B.4. and I.B.6. Same as I.B.4. and I.B.6.		Same as I.B.4. and I.B.6. 165' X limm climbing rope	" nylon ers R m w50mm,	4	Laboratory ) space 4 X 4 vehicle	Surber Mers seines
WORK ELEMENT	data Intracted to office trailer same a I.B.4. and I.B.6. 9. Threatened/en-Same as I.B.4. dangered plant and I.B.6.	A. Animal species oc-Same as I.1 currence by habi-and I.B.6.  Eat site 6602-1	B. Special habitat feature 6602-2 KRA		C. Pellet occurrence	D. Fecal analysis (if not contracted) III. Riparian/Aquatic Inventory	



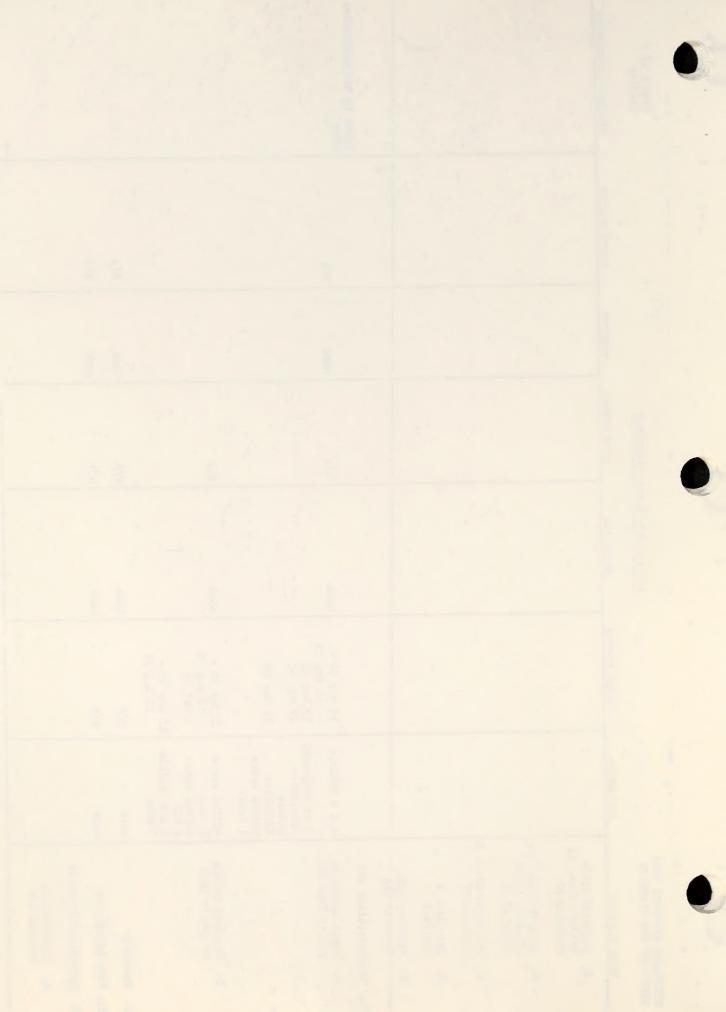
Property and address of	Escabitsh VRM Class	Determine areas which have wilderness quality Outline management	Manager river use	Inventory cultural resources
Cathan Satro	<b>\/\</b>	N/A N/A S/A		Spring 79
ROUSTNG	•	none none		4 motel nights, Denver
DATE NEEDED	<b>*/</b> 8	N/A N/A B/A	1 Kay 80	N/A
MATERIALS	·	none none	Repair equipment for rafts Uniforms for 2 temp.	none
DATES NEEDED	<b>₩</b>	15 Hay 79 15 Aug 79  5 May 80  15 May 80  15 May 80  15 May 80	8 79 0 0 - y 81	1 Jun 79 -
EQUIPHENT	•uon	135mm mm zoom Comp.	1 temp. 15 Au office space 15 May 8 1 temp. 15 May 8 15 May 80 (additional) Rubber raft 1 May 80 2 each Portable radio 1 May 80 Office space 1 May 80 2 temp. 19' trailer, res. 1 May 80 V/70-210 2 ea Kodak 1 May 80 analytic sys.	4 X 4 vehicle
WORK ELEMENT		C. Wilderness D. Upper Colorado MP	E. Upper Colotado permit system	V. Cultural Resources



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RESOURCE	PRE-PLANNING
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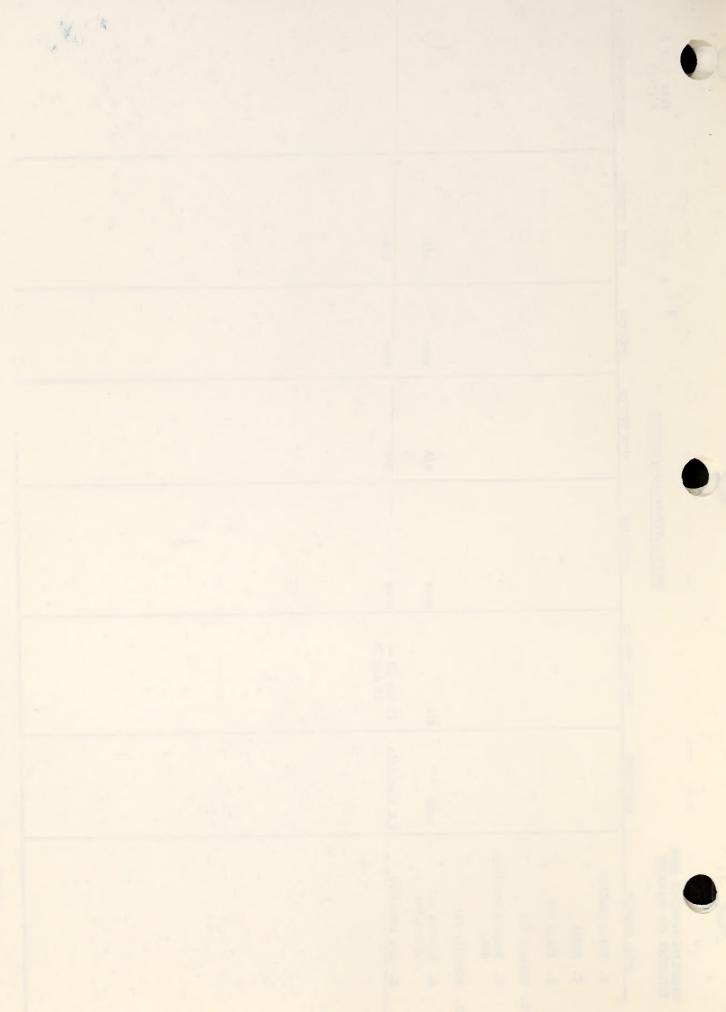
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INVENTORY PRE-PLANNING			EQUIPMENT/MATERIAL	CS/HOUSTNO			6/15/19
WORK ELEMENT	EQUIPMENT	DATES NEEDED	- MATERIALS	DATE NEEDED	HOUSING	DATES NEEDED	PROCEDURE/CBJECTIVE
A. Wolford/Little Wolford Class II Contract MP Independence Mtn./ Republic Greek Class II NP Contract NP Contract NP Contract NP Contract NP FRA Class I Contract NP							
V. Transportation KRA A. Legal access to public land KRA	4 X 4 vehicle 2 ea compasses Instamatic camera Binocular Office space	15 May 79 - 15 May 80 15 May 80 15 May 80 15 May 80	none	R/A	e too		Input to transportation Plan
E. Physical access to public land VII. Forestry VIII. Fire Management IX. Hydrology/Watershed A. Infiltration attudies KRA	Office space 1 temp. Office space 1 WAE 4 X 4 vehicle 2 each nome nome	E May 79 - 15 Aug 79 1 Oct 79 15 May 79 - 15 Mag 79 N/A N/A	none	M/A	non.	N/A X/A	
							1

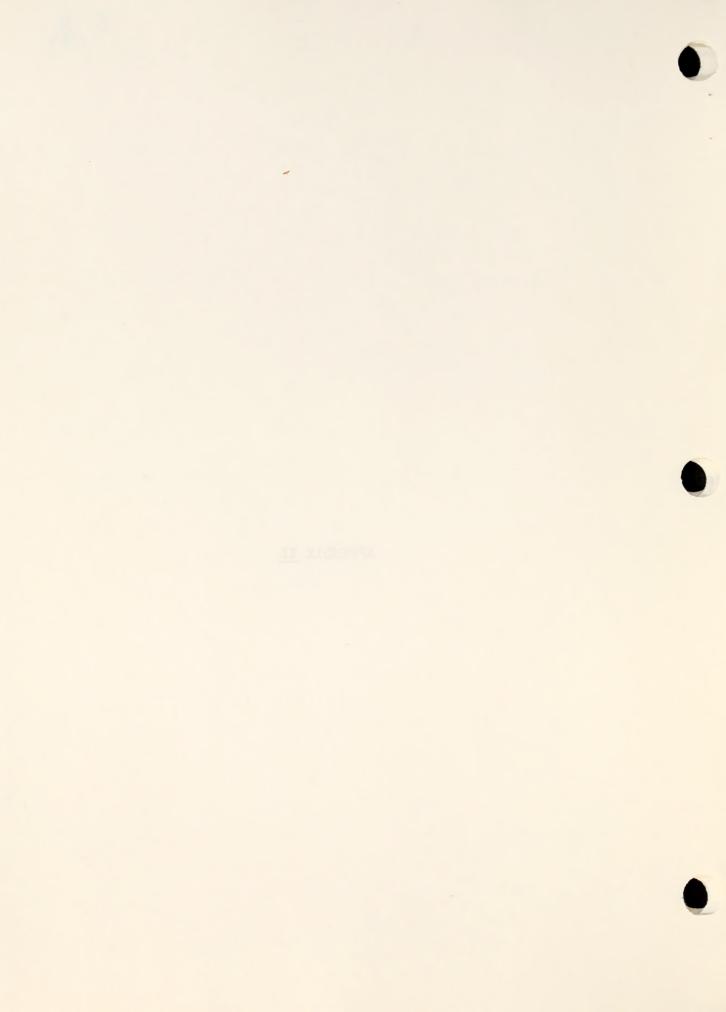


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:	AREA	ING	
	RESOURCE	PRE-PLANNING	
	KREDILING RESOURCE AREA	INVENTORY I	

PROCEDURE/OBJECTIVE	
DATES NEEDED	W/N
HOUSING	enog.
DATE NEEDED	
HATERIALS	Puou Puou
DATES NEEDED	N/A 15 May - 79 15 Mag 79
EQUIPMENT	T X X yahit Cl
NORK ELEMENT	C. Model D. Check SSP X. Climate KRA A. Compile existing data XI. Minerals KRA A. Compile and update URA B. New inventory



APPENDIX II



FY 80 SVIM INVENTORY PLAN

Kremmling Resource Area

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	\$3.00 \$5. \$1.00 \$1.	V	1	
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		ب		
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3	Aten Cork (fork			

## SVIM Inventory Plan Kremmling Resource Area

### Purpose and Objectives

The purpose and objective of the Kremmling Resource Area SVIM Inventory is to conduct a basic soil and vegetation inventory for supplying base line data for land use planning decisions under the present planning and environmental statement schedule.

### Description of the Inventory Area

Please refer to Attachment #1 for orientation to the inventory area's major land features.

The SVIM inventory area is located in northwestern Colorado. The counties involved are Jackson, Grand, Summit and Eagle. The principal towns of the area are Walden in North Park and Kremmling, Radium, Hot Sulphur Springs and Granby in Middle Park.

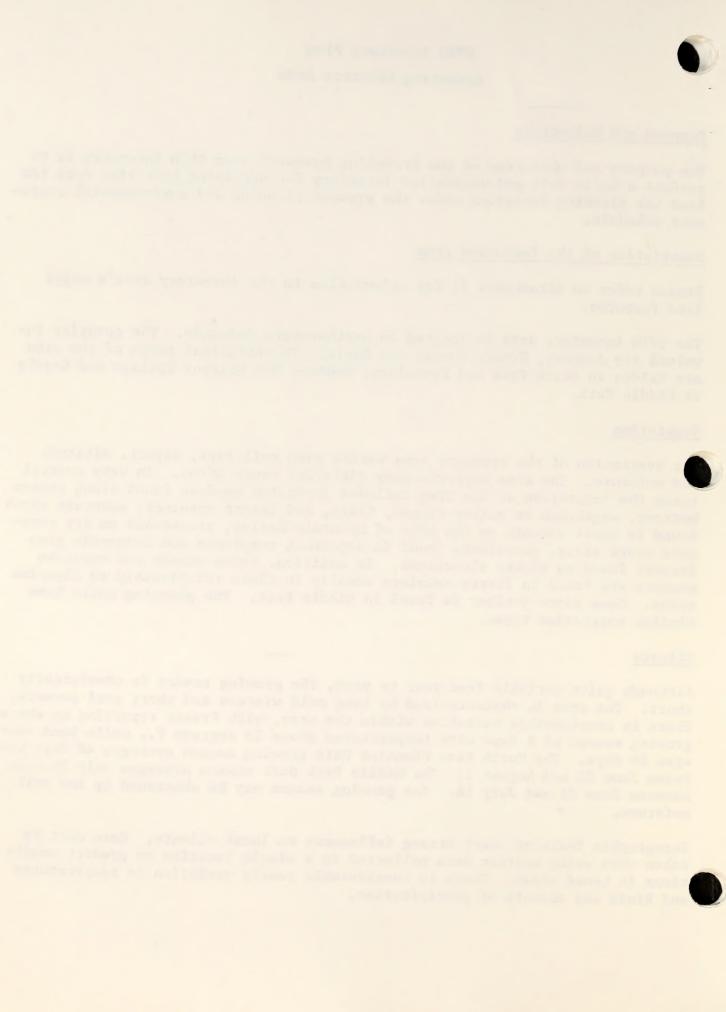
### Vegetation

e vegetation of the resource area varies with soil type, aspect, altitude and moisture. The area supports many different range sites. In very general terms the vegetation of the area includes irrigated meadows found along stream bottoms, sagebrush on valley ridges, flats, and forest openings, mountain shrub found in small amounts on the edge of mountain basins, greasewood on dry exposure range sites, grasslands found in sagebrush complexes and lodgepole pine forests found on higher elevations. In addition, aspen stands and mountain meadows are found in forest openings usually in close relationship to riparian areas. Some pinon-juniper is found in Middle Park. The planning units have similar vegetation types.

### Climate

Although quite variable from year to year, the growing season is consistently short. The area is characterized by long cold winters and short cool summers. There is considerable variation within the area, with Fraser reporting an average growing season of 6 days with temperatures above 32 degrees F., while Bond averages 89 days. The North Park Planning Unit growing season averages 40 days between June 22 and August 1. The Middle Park Unit season averages only 24 days between June 21 and July 16. The growing season may be shortened by low soil moisture.

Topographic features exert strong influences on local climate. Care must be taken when using weather data collected in a single location to predict conditions in broad areas. There is considerable yearly variation in temperatures and kinds and amounts of precipitation.



An inventory of forest types, taken from aerial photographs is complete for the Resource Area. Forest field inventories are complete for 20 percent of timbered areas. The last extensive range inventory was complete in 1952. Approximately 30 range photo trend plots have been monitored, some since 1967. Data taken from these plots include trend, composition and age class. Data is not continuous for most plots however. An SCS soil inventory is complete for the Resource Area except for a very small portion in Summit Conditional County for which preliminary mapping has been procured. No delays are anticipated here.

### Issues

All resource conflicts or issues will arise as a result of the allocation of limited resources where the demand for these resources generally exceeds their availability. Issues will occur whether the resources are renewable or non-renewable and will result from the political, socio-economic, or natural resource needs of an area.

Since the Bureau is charged with the conservation and wise use of our natural resources, it is necessary to first consider providing for sustained or wise use. Where over-utilization is apparent, conservation will be necessary.

ere under-utilization occurs, use can be authorized.

Social, economic, and political needs will generate the issues in sustained resource use and allocation. A pole of local users including individuals from federal, state and local governments, private industry, conservation groups and unattached persons was used to develop major resource issues important to the local community. These issues were consolidated into the following list.

- The lack of reliable inventories and land use planning is holding up proper management while present plans are not current to other local management objectives and resource allocations.
- No effort has been made to eliminate delays, streamline processes or eliminate red tape during a proliferation of an ever-encumbering number of procedures and levels of review.
- 3. Public feedback in the form of continued communications, information and education has not been established to cultivate a two-way exchange between BLM, user groups and the general public. Consequently, their ignorance of BLM functions creates misconceptions and dissatisfaction.
- 4. Physical projects on the ground for the immediate needs and proper use or enhancement of any resource use is essentially nonexistent or lacks in quality if completed.
- 5. There is not an acceptable level of supervision, enforcement or safety assured for the use of public lands.

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and complete the planning process.

### Information Required Based on Issues

The information to be gathered is identified in Bureau Manual Section 4412.14; Physical Resource Studies; EVIM; Release 4-58, 8/10/79. The major issues for the resource area are addressed in the final approved preplanning analysis for the Kremmling Resource Area, which is the major supporting document to this plan. Please refer to it and the FY 80 AWP in addition to this general inventory plan.

## Inventory Design

The inventory strategy centurs around the identification of priority areas by the Kremmling Resource Area. Climate is a major factor in this strategy as the growing season is short in the Kremmling Resource Area.

The blocks of land were broken down as follows:

Priority Number

Type

First (11)

Large block P.D., low elevation

Second (#2)

. Large blocks P.D., high elevation

Third (#3)

Scattered tracts of P.D. lands

This breakdown is further clarified and graphically displayed in Attachment #2. These areas will be sampled in sequence based on their given ranking. Due to climatic conditions the inventory will begin in Middle Park and spread to North Park as climate and plant growth permit.

The actual field inventory will be conducted out of field camps utilizing camp trailers placed at strategic positions in the Resource Area in relation to the large blocks of public land. These will be stationed so as to have minimum travel times to and from transecting areas and will be moved only when needed. Field locations are being investigated at present but no definite locations have been decided.

## Mapping Preparation

The transfer of SCS mapping to aerial photographs began August 10, 1979 and is almost complete. This preliminary mapping effort has been accomplished by the Kremmling Resource Area Office personnel. These aerial photographs are then used by the State Office cartigraphic section to set up models on the Kail radial arm plotters and transfer this information to USGS 7.5 minute quadrangles for use as base maps. This phase was started in November, 1979. To help accomplish this mportant phase a private contract has been awarded and is under supervision of the State Office.

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will greatly improve the timely completion of our preliminary mapping of range sites. Due to the time frame of the K.R.A. SVIM, no separate field season was available to do the field mapping of SWA's. Because of this, we must assume the SCS mapping is accurate and go with it except for final changes due to plant community changes and condition class differences to be determined in the field. We do not anticipate major changes in this mapping.

# Documentation of Comparison Areas

Although no comparison areas are known to occur in the resource area the crews will be aware of criteria that might apply to such an area, how to document it, etc. If any comparison areas are identified, steps will be taken to study and protect it in the future.

### Stratification

As base maps are received back from the State Office we will begin stratification for sampling as follows:

Similar allotments will be grouped together, along similar environmental and physical gradients. This grouping will be accomplished by area range and wild-life personnel to assure the needs of both are met. An example group might consist of 10 allotments with similar range sites in them, within the same vational and precipitation zones.

This grouping will then be broken down by SWA stratification (condition class, vegetation) and random transect locations will be determined after this.

### Transecting

A minimum of one 200 pace transect per stratum of a given condition class and vegetative community will be established in each of the geographical areas. Sampling will be increased if enough time is available or our geographical stratum becomes very large.

#### Each transect will include:

- 1. 200 pace transect to determine composition.
- 2. 10 weight plots to determine pounds/acre.
- 3. Three vegetation characterization plots.
- 4. Two clipped plots for checking estimates.

We will increase sampling beyond this to Bureau minimum statistical reliability only in areas of known resource problems or areas which are suspect of having prouce problems from examination of base data gathered during the inventory.

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# ified SVIM

The only modifications we propose are minor and due to a short time frame.

They are as follows:

- 1. A field writeup and calculation of condition class will not be accomplished on every SWA. SWA's will be grouped into a strata based on their outward appearance and similarity and the judgment of the field. supervisors and documented on Form 4412-30. One field write up may represent from 1 to 50 similar sites.
- 2. Gather some general forestry data on the Areas aspen stands when visiting these types to determine if any commercial wood product value exists. A form is being developed for this purpose.
- 3. Run the following procedures in one summer season, which may in some cases not be recommended by the manual.
  - A. Verification of range site mapping, range improvement locations and determination of SWA condition classes and composition, documentation of comparison areas.
  - B. Stratification of SWA's and random selection of areas to be sampled.
  - C. Vegetative transecting, opportunistic wildlife species occurrence sightings and special habitat feature mapping. Form 6602-1, Animal Species Occurrence by Habitat Type, will not be filled out.
  - D. Compilation of field data.
  - E. Application of range suitability criteria.
  - F. Acreage calculation and submission for automatic data processing.

## Current Problems

## Mapping

At present our pretype mapping is incomplete. The pretype mapping is an important phase to have complete prior to inventory so that a better estimate of stratification and sampling can be made.

One temporary employee has been hired to help assist area personnel with the final transfer of SCS range site mapping to aerial photographs. He will also assist in mapping existing range improvements, allotment boundary inspection, etc.



Jim Kellogg will be working on verifying range sites in the spring and early summer for the Resource Area and defining new sites. We anticipate having to change our mapping to correlate to any changes Jim Kellogg finds. At this time we have no way of predicting how much change will occur nor how much time will be involved in making these changes.

#### Constraints

The only constraints we visualize at this time are the lack of funds to purchase three camp trailers (to allow for only 1 crew per trailer preferred) and the shortage of radios.

Knowing these facts and anticipating this shortage of equipment, daily camp procedures are being developed to minimize communication needs between crews and their supervisors and to maximize safety to the crew members should an emergency arise.

### Personnel and Funding

Existing funding is shown on the following table:

## Funding

Activity		Amount
4320 (Range)	Arms Richa Balancarent landar	\$190,000
4350 (Wildlife)		\$160,000 *
4310 (Forestry)		\$ 10,000 **

\*Includes separate costs associated with aquatic and wetland inventory, unsuitability habitat as well as SVIM portions of 6602, Integrated Habitat Inventory and Classification System.

\*\*Man month cost covered to conduct general survey of aspen stands by SVIM crew.

## Miscellaneous Procurement

Activity	ne:	Amount
4320 (Range) 4350 (Wildlife)		\$ 240 \$7000

Estimate \$5,000 of this dollar figure is available to SVIM. Miscellaneous Procurement will be used only as needed. Dollar figures are included in the funding table above.

posed summer seasonal employees to be hired for the SVIM Inventory are ...own in the following table:

## Personnel

Position	# of seasonal employees *	Discipline
Transecting Crews (10) Phenology Crews (2) Allotment Analysis Crew Mapper (1)	(1) 20 4 2 1	Range and Wildlife Range or Botany Range Range (Hired 2/11/80)

\*Man months are available for seasonal employees.

Permanent employees involved during the SVIM Inventory include the following:

		No. of the contract of the con
Name	Title Title	Responsibility
Gary Hoppe	District Range Conservationist (SVIM)	Chief of Party, Employee training, quality control, field supervision
Yen McDowell	District Wildlife Biologist	Employee training, quality control, Helicopter coordination
Norm Messenger	Area Range Conservationist (SVIM)	Employee training, Field Supervision and coordi nation (all phases of SVIM)
Karen Eberle	District Botanist	Employee training, T/E plants and plant I.D. assistance
Eric Johnson	Soil Scientist	Employee training, resolution of range site problems as they relate to soil inventory data
Chuck Morganstean	Area Forester	Helicopter coordination
Jim Kellogg	TOTAL TO THE STATE OF THE STATE	Range site definition and description. Resolution of SCS mapping problems.
Craig McKinnon	Area Range Conservationist	Field supervision and coordination, verification of mapping of Middle Park, access.

1		
	Vame	
1		

## Title

## Responsibility

Dave Harr

Area Range Conservationist

Field supervision and coordination, verification of mapping of North Park, access.

Chuck Cessar

Area Wildlife Biologist

Field supervision and coordination, safety officer.

Forestry

Area Forester

Employee training for forestry data collection

Harold George

Area MVO supervisor

Supply, maintenance

### Equipment

At present the following equipment is committed to the inventory:

10 Ford Couriers

7 camp trailers

! Glenwood Springs survey equipment, including 35 mm cameras, binoculars, pocket lculators, radios, scales, clippers, clipboards, hand lens, tapes, counters, cruiser's vests, compasses, clinometers, haversacs and some field guides.

### Training Program

All seasonal employees will receive a two-week orientation and training session prior to the inventory. This session will include a general orientation to the resource area, training in SVIM data collection procedures, field forms, plant identification and safety.

Personnel involved during the initial training period were identified in the permanent personnel chart above.

## Preferred Operational Plan

- 1. Start inventory training period between May 15 and June 1, 1980 depending on availability of temporaries for hire.
- Training to begin May 15 to June 1 in Middle Park and spread to North Park as soon as snow conditions and plant growth permit and training is completed. Estimate two-week delay on getting into North Park (June 1 to June 15). Past experience indicates the North Park portion of the inventory could begin June 1 as phenological development is far enough along and forbs are flowering at this time of year. Phenological data gathering for SVIM will occur as early as April and will be conducted by Area Range Conservationists up to the time the phenology crews take over this job.

Work all field transecting crews out of camp trailers to reduce travel time. Pay camp rate per diem. One crew per trailer preferred due to the amount of maps, photos, forms which must be kept on hand. At present, a plan is being formulated as to where to park trailers to best utilize them and what areas can be covered from each camp.

To this end, we are trying to find out what facilities (cabins, trailer parks, KOA campgrounds, etc.) are available for an alternative to the field camp situation and more convenient for the crews.

- 4. Move camps when necessary to further reduce travel time.
- 5. A regular work schedule is planned with overtime authorized only as needed.
- 6. Work phenology crews out of motels, cabins, etc. and pay full per diem rate until such time as data gathering is complete.
- 7. Work allotment analysis crews out of Kremmling Resource Area Office. Pay per diem only when work requires they stay at a motel.
- 8. Sample areas based on their given ranking for inventory. Scattered tracts of public land will be the last land to be sampled given there is enough time.
  - Crews will be responsible for taking enough work with them each day: i.e., alternate transecting areas to sample should access (locked gate, weather, etc.) present a problem of getting to a chosen area.
- 10. A helicopter will be scheduled for use in the following areas of the K.R.A. A coordinator is identified in the table on page seven (7).
  - A. Troublesome Creek Drainage
  - B. Independence Mountain Area
  - C. Frazer River Area
  - D. Area west of Laramie River
  - E. Areas where access problems develop unexpectedly
  - F. Some use for range improvement and allotment boundary mapping is also anticipated.

## Alternatives to Preferred Plan

Specific alternatives relating to the preferred Operational Plan numbers are listed below: (Please refer back to preferred plan on page 8.)

## Preferred

Alternate

1, 2

These dates must remain flexible due to hire availability and climate.

3

Park trailers in camp grounds or trailer parks with shower facilities, sewage dumps, etc. If one crew per trailer cannot be obtained, work excess seasonal employees out of motels in Walden, Kremmling, etc. This alternative may become the preferred if information later shows this to be more convenient and timely to the inventory.

5

An alternate work schedule of four 10-hour days on and three off would reduce overtime required, but morale may be reduced due to long off time in small town area.

## Logistics

#### Access

In order for the inventory to progress smoothly, it is necessary to know prior inventory where our access problems to and across private lands is going to cour.

To this end, to solicit a response from grazing operators and land owners within the Kremmling Resource Area, we will use a colored flyer attached to grazing preference statements as they go out.

This correspondence will include a discussion of the following items:

- 1. Introduction to the inventory and its time frame.
- 2. A request for their cooperation on access.
- 3. An invitation to visit with and observe our crews while they are on the operator's allotments.
- 4. An assurance the operator/land owner will be contacted before the crews enter his allotments.
- An invitation to consult the area range conservationist concerning the inventory.

Also, if enough interest is generated by this flyer, a field day is being considered as additional explanation of the inventory process.

# asonal Employee Recruitment

Committments for hire will begin the week of the 24th of February, 1980. Frank Hutton will be in Denver this week to accomplish this task. We expect this to be complete by February 29th, 1980.

#### Travel Restrictions

Travel restrictions of either vehicle mileage or per diem could seriously hamper the inventory effort. If the inventory is to be completed in a timely manner travel restrictions <u>must not</u> be imposed on inventory personnel.

#### Commitment of Vehicles

In addition to the vehicles and trailers listed on page 8 there is a definite need to commit additional vehicles to the inventory as follows:

- 1 vehicle for each field supervisor.
- 1 vehicle for each plant phenology crew.
- 1 vehicle capable of towing trailers (occasional use)

Total vehicles required is 17 for continuous use and 1 for occasional use.

#### Coordination

Other resource inventories will be in progress during the same time frame as SVIM. These include Water Quality, Water Resources (Hydrology), Riparian, Aquatic Inventory and also a minerals resource inventory update for RMP.

To the full extent possible, maximum coordination with other inventory personnel will occur to provide for overnight housing, if needed, and no duplication of information gathered.

## Reporting Requirements

Progress will be reported as acreage inventoried and reported in FY 81 after compilation is complete. General progress and status will be reported by field supervisors throughout the inventory. These field supervisors will coordinate and check the work of the field crews. These individuals are essential to maintaining quality work with ten transecting crews in the field.

Every two weeks an evaluation of inventory progress and status will be conducted by the District Progress Review Team as yet to be designated by the District Manager. At these meetings all field supervisors will meet with the team to discuss and resolve problems which arise, and get an idea of how the field portion of the inventory is progressing. This will allow for strategy changes if necessary in the inventory.

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ould like to schedule a technical review of our inventory procedures by an inventory specialist from the State Office staff early in the inventory process to determine if procedural changes might be needed.

To become a viable, workable plan, this document must be able to be changed as the inventory progresses and as needs for change are encountered.

#### Approval Process

As per Washington Office (WO) Instruction Memorandum No. 78-406, this plan is submitted showing various modifications from the standard SVIM Manual guidelines. These modifications must receive WO review and approval.

## Compilation Procedures

The unit commitment is not programmed for reporting until FY 81 due to compilation time requirements.

Acreage calculation will be accomplished using the Numonics graphic calculator available here in the district and submitted to ADP as early as possible in FY 81. The base map will be USGS 7.5 minute quadrangles. Acreage calculation is estimated to be complete by mid-January to mid-February, 1980.

#### Files Maintenance

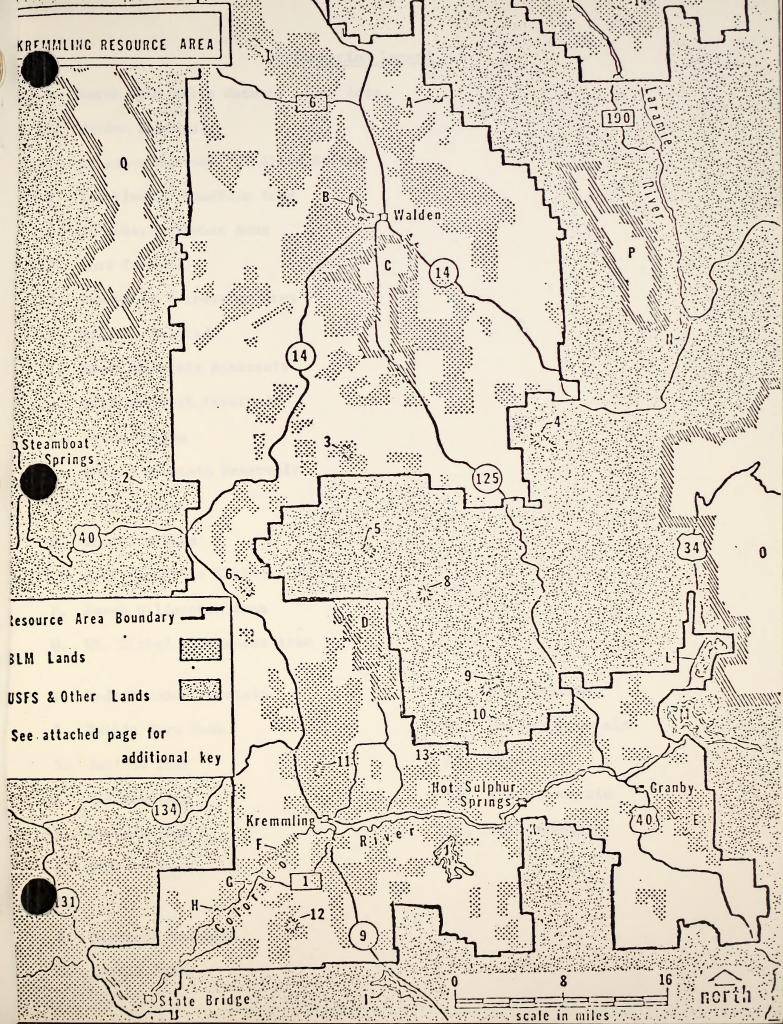
Inventory records of KRA. The following items will become the inventory records and will be indexed and maintained in a logical useable fashion:

- 1. All field write-up sheets and ADP input forms.
- 2. All aerial photographs and range site overlays.
- 3. All USGS Quadrangles and SVIM overlays for the KRA.
- 4. All outputs from A.D.P.

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Attachment #1
Orientation







### Orientation Legend

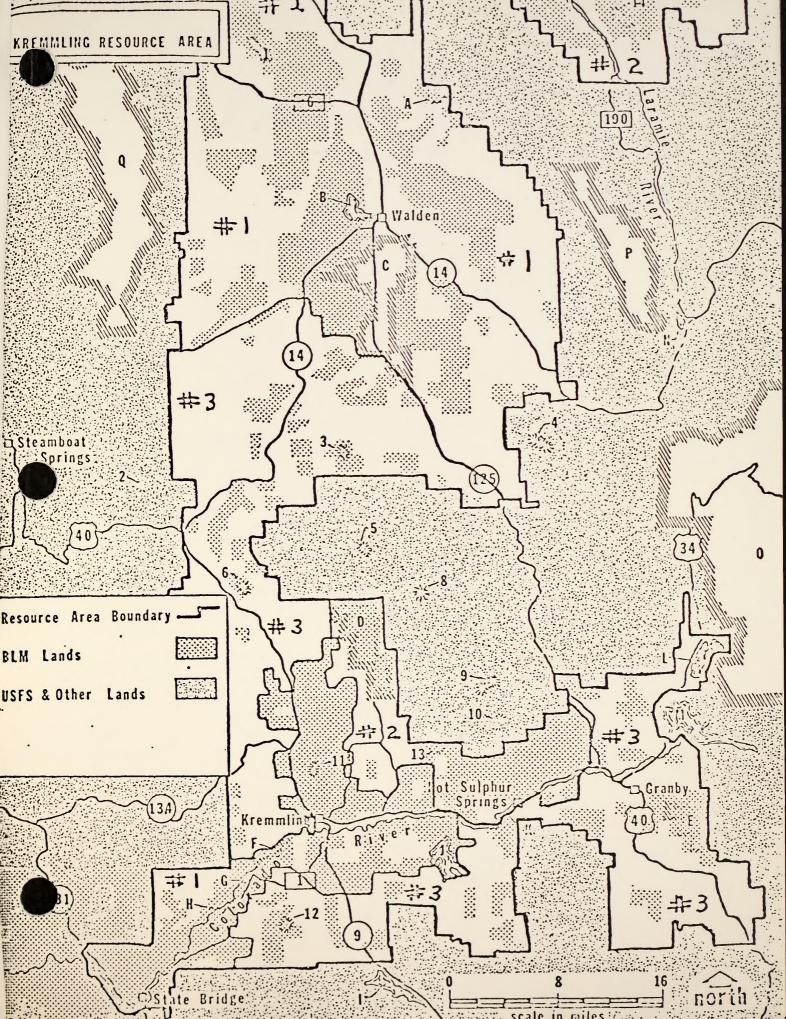
- A. North Sand Hills Natural Study Area .
- B. Walden Reservoir
- C. Arapahoe National Wildlife Refuge
- D. Troublesome Roadless Area
- E. Strawberry Timber Area
- F. Gore Canyon
- G. Pumphouse Recreation Area
- H. Radium, Colorado
- I. Green Mountain Reservoir
- J. Williams Fork Reservoir
- K. Byers Canyon
  - . Shadow Mountain Reservoir
- M. Lake Granby
- N. Chambers Lake
- O. Rocky Mountain National Park
- P. Rawah Wilderness Area
- Q. Mt. Zirkel Wilderness Area
- 1. Independence Mountain
- 2. Rabbit Ears Peak
- 3. Buffalo Peak
- 4. Owl Mountain
- 5. Hyannis Peak
- 6. Whitely Peak

- 10. Elk Mountain
- 11. Wolford Mountain
- 12. Dice Hill
- 13. Black Mountain
- 14. Bull Mountain

- 8. Haystack Mountain
- 9. Corral Peaks

Attachment #2
Priorities







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#### PUBLIC PARTICIPATION PLAN FOR THE KREMMLING

#### RESOURCE AREA RESOURCE MANAGEMENT PLAN

#### CRAIG, COLORADO DISTRICT

- A. Introduction: The Kremmling Resource Area Resource Management Plan (RMP) is scheduled for completion by September, 1983. This public participation plan has been prepared to guide public involvement in the preparation of the RMP, and identifies public participation activities throughout the process that at the outset are viewed as desireable or necessary. As the RMP evolves and additional public involvement becomes necessary or appropriate, this public participation plan will be updated or amended accordingly. As such, it should be viewed as a flexible document.
- B. <u>Purpose</u>: As part of the RMP process, the purpose of public participation is to:
  - 1) inform the public of the BLM planning system and RMP activities,
  - 2) provide the public with an understanding of BLM programs and proposed actions.
  - 3) ensure that the public needs and concerns are understood by BLM, and
  - 4) broaden the information base upon which resource management planning decisions are made.

The purpose of this public participation plan is to identify scheduled public involvement, how it fits into the planning system and Kremmling's RMP schedule, and the anticipated results of each phase of public participation.

known to be interested in or affected by the Kremmling RMP shall be compiled through expressions of interest. At the outset, through the notice in the Federal Register and news releases to the local media (see paragraph F below), expressions of interest shall be solicited with the notice of the initial meetings. In addition, letters shall be sent to all individuals and groups on the District and Kremmling Resource Area mailing lists, including all grazing permittees in the Resource Area, describing the RMP process and requesting that all interested parties return a pre-paid post card indicating their interest. The resulting list shall be expanded throughout the process, and shall be used in conjunction with news releases to notify the public of RMP progress; dates, times and locations of meetings; and the availability of planning documents and related information.

Additional input will be solicited from the county and municipal governments in the Resource Area, from the Northwest Colorado Council of Covernments; from Colorado State Government, and from other federal agencies. These agencies will be included on the RMP mailing list, and will also be contacted separately to solicit their comments and input on the RMP. Close coordination with other government agencies is vital to the success of the RMP, and, with early data exchange and consultation, will avoid duplication of data collected, improve the RMP information base, and will assist in meeting the "consistency" requirements of the revised BLM planning regulations.

The BLM State Office will assist in identifying interest groups and government agencies at the state or regional level, and will help coordinate news releases in the Denver area. The remainder of public activities will be coordinated and implemented by the District RMP Coordinator with the concurrence and assistance of the Team Leader.

- D. Scheduled Public Participation Activities: The attached table describes all aspects of public involvement presently forescen, approximate dates of activities, the objectives sought or anticipated results of each activity, and their chronological relationship to the scheduled management phases of the RMP. This schedule exceeds the requirements for public participation mandated by NEPA, FLPMA, the BLM Planning System, and BLM Coal Management regulations.
- E. Documentation: All written comments received will be maintained by the Team Leader in Kremmling for the review of the District Manager and the Interdisciplinary Team in making decisions on the direction of the RMP. Oral comments received by the IDT will be written down in general terms and maintained by the Team Leader, as well. Public hearings will be tape recorded and the proceedings transcribed and maintained for review. Notes will be taken at public meetings, and a general transcript of what took place will be prepared and maintained.

Depending on the issues at hand or the questions to be resolved, questionnaires may accompany the newsletters to more accurately categorize responses. These may also be used at public meetings to encourage comments from the participants. All public input will be maintained centrally by the RMP Team Leader in Kremmling.

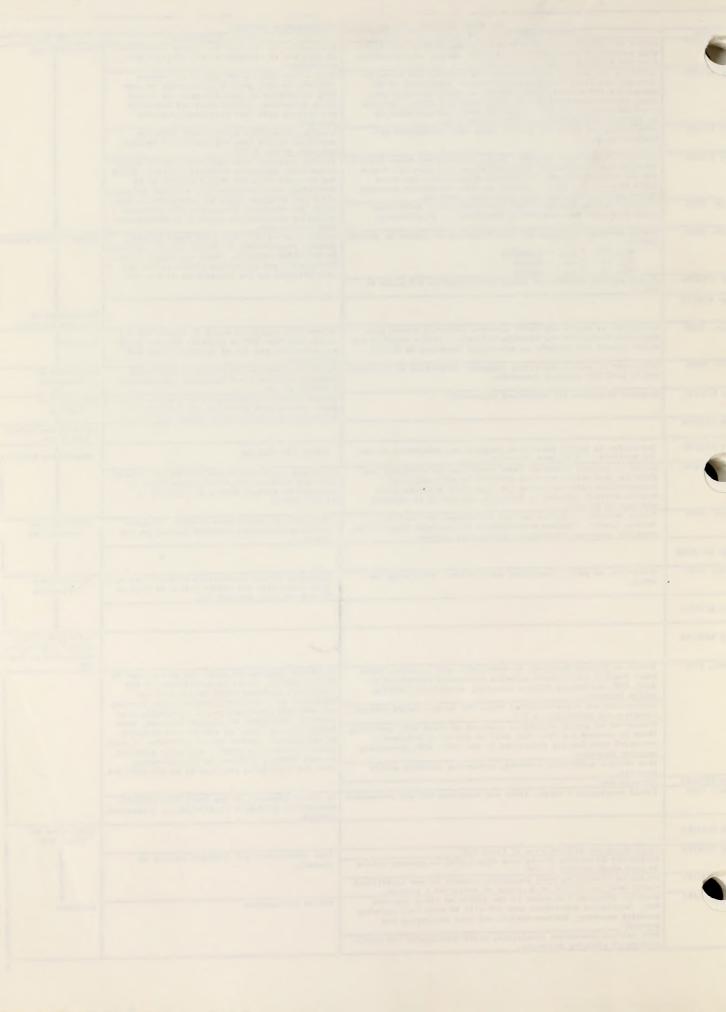
F. News Media to be Utilized: The following media shall receive news releases as indicated in the public participation schedule:

KRAI, 125 W. Victory Way, Craig, CO 81625 (there are no radio stations within the Kremmling Resource Area; CSO will forward news releases to stations in the Denver area.)

### F. News Media to be Utilized (Cont'd)

Middle Park Times, P.O. Box 476, Kremmling, CO 81639
Sky-Hi News, P.O. Box 408, Granby, CO 80446
Winter Park Manifest, P.O. Box 409, Winter Park, CO 80482
Jackson County Star, P.O. Box 397, Walden, CO 80480
Northwest Colorado Daily Press, P.O. Box 1115, Craig, CO 81625
Summit County Journal, P.O. Box 97, Breckenridge, CO 80424
Summit Sentinel, P.O. Box 278, Dillon, CO 80435
Eagle Valley Enterprise, P.O. Box D, Eagle, CO 81631
Fort Collins Coloradoan, P.O. Box 1577, Ft. Collins, CO 80522
Denver Post, P.O. Box 1709, Denver, CO 80201
Rocky Mountain News, P.O. Box 719, Denver, CO 80201
Laramie Daily Boomerang, 314 S. 4th St., Laramie, WY 82070

DATE	PUBLIC PARTICIPATION ACTIVITY	PUMPOSE OR OBJECTIVE	PMP THASE
71/80	Notice to rederal barliter describing proposed KMP, identifying area covered, inviting identification of issues, and announcing	of interest at national level; initiata RMP	(Pre-planning)
/1/80	letter to all individuals and groups on District and Kremmling Area mailing lists soliciting expressions of interest in RAP, describing RAP process, area covered, announce upcoming meet- ings, tequest written input to issue identification. Includes pre-paid postcard to be returned for names and addresses to	Provide opportunity for public to express interest in RMP; provide opportunity to comment in writing on identification of insues to be addressed; compile separate Kreemling RMP mailing list from responses; announce	
y 2/5/80	News release to local and Denver media with information da- actibed above.	meetings. Solicit expressions of interest; announca meetings; assure that all interested parties are made mate of RMP.	
y 2/5/80	Notice to state clearinghouse, local, regional and other Federal agencies with information described above, and also the review period, consistency and coordination requirements and their right to comment. Ask to strange meetings to discuss planning aystem and Kremmling RVP with interested agencies.	Arrange meetings with individual agency repra- sentatives; determine existing policies, plans and programs that RMP should attempt to be consistent with (bibliography of these policies, plans and programs shall be maintained by Dis-	
eb. 1980	Meetings with individual agency representatives; incoragency confarance will be scheduled if determined to be necessary.	trict for reference throughout RMP process); astablish coordinative lines of communication with each agency.	1
eb. 1980	Public meetings - raquest for identification of issues by general public.  Feb. 20 - 7 p.m Ktemmling Feb. 21 - 7 p.m Walden Feb. 26 - 7 p.m Denver	Required by 43 CFR 1601.] and meets initial acoping requirements of 40 CFR 1501.7. Attempt to establish concerns, needs and resource use, development and protection opportunities for consideration in the preparation of the RMP.	Issues Identificat
y 2/29/80	Accept written comments on issues identification and scope of RMP.		
by 3/31/80			Development of Planning Criteria
Apr. 1980	Newsletter to public and other agencies reviewing issues that have been identified and planning criteris. Invice comments and adjust issues and criteris as determined necessary by 5/1/80.	Assure that public is aware of issues and cri- teria, and that RMP is properly focused prior to collection and use of inventory data and information	Inventory
ct. 1980	Newsletter to public describing programs, completion of inventory, ask if need for resource workshops.	resource workshops are necessary for specific interest groups	Completion of Inventory
y 2/15/81	Resource Workshope (if determined necessary).	Answer specific questions on particular resource data, assure that inventory and information collection is on line with issues identified.	Profila
By 5/31/81			Existing Manageme Situation
by 9/30/81	Newsletter to public describing progress and announcing upcoming meetings. (Also news release).	Public information	Capability Analy
30/81	Letter to surface owners of lands identified as overlying coal deposits, and which have been screened by application of unsuitability criteria during the capability analysia phasa. Request written response by 10/31/81, and invite to upcoming eventings to discuss.	Determine those land areas that may be considered for surface coal mine lessing based on response by surface owners as raquited by 43 CFR 3420.2.	
Oct. 1981	Public meetines (schedule not vet octermined) in Krermling, Walden, Denver. Discuss determination of resource capabilities, describe upcoming alternatives formulation process.	Determine if issues have changed, if capability analysis has properly focused on the issues.	Alternatives Formulation
by 12/31/81		•	
Jan. 1982	Newslatter to public describing alternatives, soliciting com- ments.	Determine if all appropriate alternacives have been identified and permit public to tall us if and why they are/are not.	Alternatives Evaluation
by 6/30/82			1
by 1/31/83			Selection of preferred alternaticompletion of fr
Feb. 1983	Notice to Federal Register, to newspapers, and to state, local, other Federal and regional agencies announcing completion of dtaft RP, soliciting written comments, announcing upcoming public hearings.  Publication and distribution of Draft RP to incerested publics, agencies and submission to FPA.  Newsletter to public soliciting comments on draft RP, including those by persons who feel they will be adversely affected by potential coal lessing identified in the draft RMP; announcing upcoming hearings.  News telease soliciting comments, announcing upcoming public hearings.	To obtain comments on Draft RMP as required by 40 GFR 1503.1. Prior to preparation of the Final RMP, comments shall be assessed and addressed by: modifying alternatives, develop and evaluate alternatives not previously considered, supplement or improve analyses, make factual corrections, or explain why comments do not warrant further agency response. Opportunity to identify publics adversely affacted by coal leasing proposed by RMP, determine need for heating as tequired by 43 CFR 3420.2-4	
by 2/28/83 Mar. 1983	Corments due  Public hearing(a) - datea, times and locations not yet datarmined	I. To obtain comments on the draft RMP, identify problems or conflicts by affected or interested publics.	1
by 7/15/83		POUTCE.	Completion of Final RMP
by 7/31/83	Fublication and distribution of Final RSP.  Newsletter to publics giving them apportunity to protent within 30 days after receipt by FPA.	Give opportunity for affected parties to protest.	
0/83	Notice to bederail Popister tequesting comment on any afpoint change made to the PNI as a result of action on a protest.  Beciation Decimient - bruchure to the public on final approved RMP. Newsletter describing what RMP will be used for, upcoming activity planning, implementation, and that amendments ats possible.  News release announcing completion, brief description and swall-	Public information	Decision





### U.S. BUREAU OF LAND MANAGEMENT, CRAIG DISTRICT Kremmling Resource Area, Colorado

## NEWSLETTER

No. 2

KREMMLING, COLORADO

DECEMBER 1980

### Resource Management Plan



### Planning Progress and Schedule

The Kremmling RMP is progressing smoothly toward a 1983 completion date. This summer, we finished most of the inventory needed for the nning effort and specialists are ently in the process of writing up results. Based on the resource management issues identified in our public meetings held earlier this year, the inventory focused on the concerns and problems expressed by the residents and business interests in the Kremmling Resource Area.

The inventory data will be used to prepare a resource area profile — a description of the existing resource conditions and land uses in the Resource Area. This will be completed some time in January, and will be used as a baseline from which planning alternatives are developed.

Following the resource area profile, resource specialists will prepare a summary of the existing management practices in the area. This will describe how the resources and lands are being managed, the present production and use of the resources, and current and projected demands of the resources of the public lands.

Concurrently, the interdisciplinary team will be applying the coal unsuitability criteria (see Coal Unsuitability article for details) in North Park. These three separate, but related, efforts will all be completed by next June, setting the stage for an analysis of the capabilities of the public lands to support various future levels of resource uses. By September, the potential range of production or utilization of each resource will be esta-

blished, and we will begin formulating various alternative combinations of future land uses.

In October of next year, the public will have an opportunity to review these planning documents and assist us in formulating alternatives. This will be done either through public meetings or a less formal process to be announced in our next newsletter. Any suggestions you have are welcome!

Briefly, our schedule is as follows:

	Comp	etion
Planning Element		Date
Resource Area Profile	Jan.	1981
Existing Management		
Situation	June	1981
Unsuitability Criteria	June	1981
Capability Analysis	.Sept.	1981
Alternative Formulation	Dec.	1981
Alternative Evaluation	June	1982
Draft RMP/EIS	Jan.	1983
Final RMP/EIS	.Sept.	1983

### Craig District Advisory Council

The newly organized Craig District Advisory Council held its first meeting on November 6, 1980, at the Craig District Office. The Advisory Council is made up of 11 members from throughout the District that have been ninated by the public and local anizations, and were appointed by the Secretary of Interior. Members will provide advice to the District Manager on a wide variety of resource management problems and issues, to

assist him in making decisions affecting the public lands in the District.

The first meeting was primarily an organizational meeting designed to familiarize the members with the District, with BLM and with with each other. The next meeting has been scheduled for February 26, 1981. Members will elect officers, and will assume the responsibility of assuring that local citizens get their input into BLM's decision-making process.

Members of the Advisory Council are: Wright Dickinson, Craig; Helen Jensen, Meeker; Bob Diederich, Craig; John Gordon, Grand Junction, Tom LeFevre, Craig; Louise Miller, Craig; Buck Salter, Craig; Jack Buckheister, Winter Park; Bob Simillion, Steamboat Springs; Bill Roland, Craig; and S. L. Valdez, Craig. The public is invited to all meetings. For further information contact Marvin Pearson, District Manager in Craig.

### PLANNING CRITERIA

Early in the planning process, resource management issues were identified through public meetings and informal public input, as well as by BLM. These issues were published in the first RMP Update, as the concerns and problems that need to be addressed in the Kremmling RMP.

We have turned these issues into questions and have established sideboards within which we intend to answer the questions through the planning process. These sideboards or "planning criteria" are summarized below for each of the planning questions. Planning criteria may be the legal, policy, or regulatory constraints that direct or limit our ability to resolve the issues, or they may be constraints imposed as a result of public input or through coordination with state and local governments.

In any case, the planning criteria listed below by resource activity have been used to guide the inventory, and will be used to establish limits to the proposed levels of resource use or production when the various alternatives are developed. They will also assist BLM in selecting the preferred alternative and in making the resource management decisions that will result in the final plan. Additional decision criteria to be used in selecting the preferred alternative will be developed and published at a later date.

#### SOILS

Where are the areas of active and potential soil erosion and what can be done to prevent erosion in these areas?

- •Determine types, potential productivity and capability of soils in the Kremmling Resource Area.
- ·Meet Federal and State regulations on water and air
- ·Apply management techniques to control erosion and improve the land's resistance to erosion especially in areas of fragile soil, riparian zones, floodplains, municipal watersheds, steep slopes and threatened and endangered species habitat.



#### **MINERALS**

What Federal coal lands within the Kremmling Resource Area are suitable for coal development?

•Identify areas with high to moderate potential for coal development based on resource and demand information and industry interest.

• Evaluate PRLAs and existing leases for their suitability for surface mining.

- •Compare the public value of leasing lands for coal mining against the use of the lands for other purposes and the value of other resources which might be lost.
- •Apply the 20 unsuitability criteria to insure environmental compatibility as required by the Federal coal management program.

•Obtain surface owner consent for surface mining.

·Provide for enough coal leasing to stabilize existing industry in the area.

What Federal minerals should be developed through leasing, location, sale, and free use?

- •Identify areas where economically significant deposits of oil, gas, uranium, sand, gravel and other minerals exist.
- •Identify withdrawn areas no longer being used for the purposes of the withdrawal which could be used for mineral development.

•Priority will be given to meeting the material need local governments and agencies.

Priority will be given to leasing oil and gas in known geologic structures and adjacent structures.

•Limit the general sale of mineral materials if they are readily available from commercial supplies.

- •Require reclamation to meet Federal and State requirements.
- •Compare the public value of leasing minerals against the use of the lands for other purposes and the value of other resources which might be lost.

What areas should be withdrawn from mineral development or have temporary restrictions placed on development?

- •Identify areas where valuable resources must be protected from the effects of mineral development.
- •Determine those areas which could be developed or explored with appropriate restrictions.

#### WILDLIFE

How should the public lands be managed to provide for the needs of wildlife?

·Classify lands according to their value as threatened and endangered species habitat, critical wildlife habitat, and important seasonal habitat.

•Determine areas of greatest conflict between wildlife and other land uses.

- •In consultation with the Colorado Division of Wildli develop effective management practices including wa development, habitat development, and habitat protec-
- •Allocate forage as reflected by the carrying capacity of the range.

#### PALEONTOLOGY

What should be done to protect and manage paleontological resources?

Through a literature search, identify geologic structures which have potential for holding paleontological resources.

•Protect significant paleontological resources through site

avoidance or salvage.

·Provide interpretation and enhancement of paleontological sites of significant scientific or educational value.

#### RANGE

How should BLM allocate forage to provide for the needs of the livestock industry?

•Inventory and classify the rangelands according to their management and forage potential.

· Allocate forage for livestock, wildlife, watershed protection, scenic quality, threatened and endangered species and other multiple use considerations.

•Determine management practices which would provide general grazing management and a range improvement

·Develop a method to gradually reduce grazing on rangelands determined to be overstocked.

What should be done to provide needed range improvement projects for grazing allotments?

• Classify range improvements according to their needs for maintenance and their effectiveness.

•Provide maintenance for cost effective improvements, especially those which result in immediate benefits to the

rovide new range improvements that will efficiently increase range productivity such as water developments, fencing, vegetative manipulation, etc.

### RECREATION

What areas should be recommended for designation as wilderness or designated as Areas of Critical Environmental Concern (ACEC)?

•Inventory the public lands for areas which might be designated as ACECs.

•Preserve relatively undisturbed examples of native plants, species of special concern, special habitats, aquatic systems and geologic features.

•Integrate appropriate ACECs into the Colorado Natural

Areas program.

•Determine suitability of Wilderness Study Areas (WSA) for designation into National Wilderness Preservation System, and recommend those of appropriate quality to Congress for such designation.

•Manage the Troublesome WSA under interim manage-

ment quidelines.

### What should the BLM do to provide better management on the upper Colorado River?

•Consider intensive management of recreation on the upper Colorado River by developing sites and access, regulating use, and providing information and assistance.

•Consider collection of a graduated commercial fee to cover some of the expense of intensive management. utstanding environmental areas must be protected, including critical floodplains and free-flowing river segments.

•Management must be consistent with Colorado boating regulations and other use authorization procedures.

What should be done to provide more recreational opportunities on the public lands?

•Identify dispersed recreational opportunities in the Kremmling Resource Area.

•Identify areas suitable for recreation development, especially the following: undeveloped areas already being heavily used; areas adjacent to existing travel corridors; and areas that will serve the needs of visitors from throughout the state and nation.

·Limit development to areas which can sustain recreational use without environmental damage and which can

be efficiently developed and managed.

•Limit development to activities which do not duplicate existing services or opportunities and which do not generally have a profit potential for the private sector.

• Emphasize interpretive programs and resource use pro-

grams other than facility use programs.

· Encourage state, local, private and other federal agencies to provide recreational developments through easement or outright land aquisition.

•Make some access to natural and recreational areas available for all citizens regardless of age, health or wealth.

#### How should the BLM reduce the impacts caused by recreation?

• Identify areas being impacted.

•Protect areas by regulating their use and providing intensive site management.

•Management, design and cooperation will be preferred over direct regulatory measures to protect resources.

### How should BLM provide proper management for off-road vehicle (ORV) use?

·Identify areas that are suitable for open, closed or restricted ORV use.

·Limit or restrict ORV use in environmentally sensitive

•ORV designation and management shall be consistent with Forest Service designations and Colorado off-road recreational vehicle statutes.

#### RIPARIAN AREAS

Where are the riparian and floodplain areas and what should be done to manage or protect them?

· Identify riparian and floodplain areas in the Kremmling

•Implement a management system to protect, maintain and enhance all wetland-riparian-floodplain areas administered by the BLM.

·High value streams, riparian zones, and wetlands habitats will be protected when fisheries, wildlife and water quality can be preserved or restored.

#### WATER

Where are the waters that need quality maintenance or improvement, and how should BLM manage these waters?

•Classify the waters in the resource area according to their

Develop management practices which will protect and maintain existing water quality.

•Identify methods to improve the quality of waters not meeting minimum legal standards.

 Protect water rights and maintain minimum stream flows. •Comply with approved 208 plans.

#### LANDS

### Which lands should be disposed of or acquired to improve management of the public lands?

- •Identify lands which are difficult or uneconomic to manage, or which will most prudently serve important public objectives by their disposal or sale.
- •Identify lands which could be exchanged and thereby best serve the public interest.
- •Identify lands which could be transferred to other agencies for more efficient or appropriate management.
- Identify private lands which, if acquired, would consolidate the public lands and thereby improve their management

### What public lands are suitable for leasing?

- •Identify lands suitable to lease for recreation or other public purposes.
- •Identify lands appropriate for leasing to serve the needs of the economy, community expansion, or the production of food, fiber and minerals.

### What public lands would be suitable for the siting of rights of ways?

- •Identify tracts or corridors of public lands which if used as a right-of-way would have greater public value than if used for other purposes.
- •Limit the granting of rights-of-way in unsuitable areas such as flood plains, geologic hazard areas, wilderness study areas, etc.

### What lands need to have the surface and mineral ownership consolidated?

- •Determine areas of split mineral ownerships where management conflicts exist.
- •Identify areas in Known Recoverable Coal Resource Areas which can be consolidated by exchange of Federal and State mineral rights.
- •Identify lands with no mineral potential where mineral rights could be sold to a private surface owner, especially where industrial, residential, commercial or recreational developments exist or are proposed.
- •Identify mineral estates which can not be sold because they contain valuable mineral deposits.

### TRANSPORTATION AND ACCESS

### What areas of public land need administrative or public access within the Kremmling Resource Area?

- •Large blocks of public land having intensive use.
- •Timber sale areas.
- •Areas of high BLM investment or management.
- ·Areas with high outdoor recreation potential.
- Other areas needing only restrictive or administrative access.

### What is needed to develop a sound transportation system for the Kremmling Resource Area?

- Classify the value of roads according to type and level of use.
- •Identify road and trail maintenance responsibility.
- Close and rehabilitate unneeded roads for resource protection and public safety.
- •Assure the maintenance and improvement of roads to meet their use classification.
- •Identify proposed roads needed for management of resources.

### **AIR QUALITY**

### How can the Air Quality in the Kremmling Resource Area be maintained or improved?

- •BLM activities will comply with all State and Federal air quality standards and regulations.
- •Management practices will not adversely affect air quality
- Positive steps will be taken to mitigate impacts on air quality and to monitor air quality in areas of intensive use.

### **CULTURAL RESOURCES**

### What should BLM do to provide proper protection and management of cultural resources?

- •Locate cultural resources by conducting appropriate literature searches and inventories.
- •Protect or avoid sites of importance.
- •Enhance and interpret sites of important scientific or educational value for the public.

### **FORESTRY**

### What forest lands should be intensively managed for commercial forest products?

- •Classify lands according to their timber production potential.
- •Assess the level and kind of forest management practices needed.
- •Weigh the value of forest resources against all other resources such as mining, wildlife, scenic quality, etc.
- •Determine market conditions and the degree of local dependence on forest products.
- •Develop efficient plans for the harvest, long term management and protection of forest lands.
- Participate in cooperative planning with other for owners and managers.

### What public forest lands should be considered for restocking with trees?

- •Classify lands according to their restocking potential and establish priorities based on growth potential.
- •Integrate restocking plans with the larger forest management plans.

### Which lands are best suited for improved firewood availability to the general public and commercial users?

- Limit firewood gathering to specific areas to assure good management.
- •Select areas with abundant slash and logging debris.
- •Consider the effects of firewood gathering on wildlife and other resources.

This list is only a summary of the most important planning criteria that have been established for each issue. The complete listing of criteria is available for review in the Kremmling Resource Area Office and the Craig District Office. Single copies may be obtained by writing or calling Ade Neisius, RMP Team Leader, Kremmling Resource Area Office, P. O. Box 68, Kremmling, CO 80459, telephone (303) 724-3438.

We would like your evaluation of these criteria. Please address your comments to the RMP Team Leader at the address above. Any changes to the criteria that result from your input will be published in the next newsletter.

### **Growing Pains**

Twelve years ago there was only BLM employee managing public ds in Kremmling. Now there are 21 plus summer help. At the same time the amount of land to manage hasn't grown. This startling contradiction is deceiving, however, because the use of public lands and the nation's interest in them has grown even more dramatically than the Kremmling BLM office.

Interest in conservation has been increasing since Teddy Roosevelt's day, but in the last ten years the country has moved with unprecedented swiftness to control the remaining natural resources. At least 12 separate acts of Congress have been passed in the past 11 years which require the protection of the environment.

It began with the National Environmental Policy Act (NEPA) in 1969. That Act required that Environmental Impact Statements be written before significant Federal actions, like dams and pipelines, could be built. This was followed by the Clean Air Act in 1970. Legislation to control water llution was passed in 1972; threated and endangered species were protected in 1973; wild horses and archaeological sites in 1974.

The Federal Land Policy and Management Act (FLPMA) was passed in 1976, providing for the management, protection, development, and enhancement of lands and related resources administered by BLM. Numerous other laws were passed dealing with minerals, rangelands and other resources, reinforcing the provisions of FLPMA relating to multiple use management of the public lands.

Throughout this period the Congress made amendments to strengthen the laws it already had passed. The regulations, rules and policies needed to enforce these acts fill volumes and require agencies like the BLM to look after far more than they used to. This means more employees and more equipment.

The BLM must manage an incredible 700,000 square miles of land throughout the western states. That's an area a good deal larger than the ginal 13 colonies. The Federal and ate laws and the huge area to be managed would be formidable enough, but increasingly the land is looked to for hundreds of conflicting uses.



Some wish to use it for the commercial purposes of mining and grazing; others promote its recreational value; still others wish to protect parts of it as pristine wilderness. The BLM has been left with the task of sorting out the laws and regulations and determining just where the oil wells should go and which lands should be used for grazing, as well as hundreds of other tasks.

Even with all its growth the BLM has been a good investment for tax payers. It has roughly one-half the budget to manage nearly twice as many acres as the Forest Service. Yet it earns over three billion dollars for the U. S. Treasury and shares millions more with state and county governments. The BLM has averaged an eight dollar return for every dollar it has received from Congress.

# News Highlights

#### **GRAZING BOARD TOUR**

Bob Brownlee and his family of Walden, Colorado, hosted the Craig District Grazing Advisory Board's Annual tour and dinner August 28 and 29, 1980. The primary purpose of the tour was to review some of the North Park rangeland that will be affected by the Kremmling RMP.

Specific rangeland improvement projects were reviewed by the Board as typical of those to be used during RMP implementation. The results of previous range manipulation projects such as controlled burns, planting, seeding and spraying, as well as multiple-use watering facilities, were examined. Past and present grazing practices were reviewed on the Big Horn Ranch Allotment, which was also the site of a SVIM transect demonstration. The SVIM inventory run this field season on 452,209 acres within the Kremmling Resource Area was described and the process was demonstrated

Other resource activities reviewed on the ground included the Independence Mountain Forest Management Area and its relationship to other uses. A visit was also made to a cooperative vegetation reclamation effort on Kerr Coal Company's mine east of Walden. The area of concern had been previously mined and reclaimed on Kerr's private lands. Results from this and BLM's mined land rehabilitation study will be applied to mining reclamation efforts on Kerr's recently acquired federal coal lease, and to areas within the newly defined 225,000 acre Known Recoverable Coal Resource Area (KRCRA) in North Park (see map, page 5).

After the successful review of other rangeland RMP concerns in North Park, the Board held a business meeting before it adjourned at noon on August 29, 1980.

#### SLASH BURNING

Autumn is the season that BLM foresters begin the burning of the woody debris and slash remaining after timber harvesting. The purpose of the burning is to dispose of excess woody material, prepare a seed bed for the reestablishment of trees, reduce the risk of wildfire, destroy diseased or insect infested material and to improve the aesthetics of timber harvest sites.

Before burning can take place it has to be authorized by the Colorado Department of Health, Air Pollution Control Division and the proper weather and fuel conditions must exist as outlined in the burning plan for each area.

Two methods of slash burning are used in the Kremmling Resource Area: pile burning and broadcast burning. For pile burning the slash is concentrated in piles either by hand or machinery and burned in late fall when sufficient snow is on the ground to prevent the fire from spreading to nearby timber. In broadcast burning the slash is burned in place as it remains after logging. Before burning the area is encircled with fire lines to prevent the spread of fire beyond the prescribed area to be burned.

It is the policy of the Resource Area not to burn during big game hunting season or to burn any material that can be salvaged as fuelwood.

Areas scheduled for slash burning this fall are Smith Mesa north of Hot Sulphur Springs, Black Mountain northeast of Kremmling, Grouse Mountain north of Parshall, Reed Creek southwest of Granby, the Dillon Small Tracts east of Silverthorn, the Strawberry Area east of Tabernash and Buffalo Peak in south Jackson County.

### BLM COMPLETES RANGE INVENTORY

BLM recently took stock of its rangelands in the Kremmling Resource Area. The inventory was musing the Soil and Vegetation Inverse Method or SVIM, a study of the grazing capacity and condition of the plants and soils of the BLM lands. It took 30 people and all summer to inventory the 452,200 acres in the Kremmling and Walden areas but it was worth it.

Although it was a study of the vigor and character of the range and the surface erosion of the soil, much more was learned from the SVIM. The BLM was able to compare notes with the Soil Conservation Service, prepare maps, inventory the vegetation and wildlife, and study the effect of climate on various plants.

This information gives a good estimate of the capacity for cattle and sheep grazing. Further analysis of the data that has been gathered may suggest actions to improve the lands and prevent the destruction of valuable plant and animal communities. Detailed studies of specific areas may yet need to be done but the SVIM has shown the big picture. This over study is essential to the upcoming source Management Plan for the Kremmling Resource Area.

The SVIM was a success but much credit goes to the cooperation of the ranching community. Ranchers generously granted access across their private lands so BLM researchers could study isolated parcels of public lands.

### **UPPER COLORADO RIVER**

The 1980 rafting season on the Upper Colorado River concluded in August with over 50,000 visitors using the stretch of river south of Kremmling between Pumphouse Recreation Site and State Bridge, Colorado. This represents an increase in use of over 20% from last year. The BLM completed major improvements to the Pumphouse Recreation Site this year. The parking area was expanded and improved, permanent sanitation facilities were installed, the access road was upgraded and picnic tables were provided at the site. In order to offer safer rafting experience, the BLM moved several hazards from the river including jagged metal objects lodged on rocks in the rapids areas and submerged wire cables.

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A BLM River Ranger was stationed at the site all summer. He provided traffic and visitor control, provided eformation on rafting on the Upper orado River, promoted water safepatroled the river and assisted with several emergency situations that occurred. Based on the favorable public response to the program, BLM intends to continue the River Ranger position and expand recreation facility improvements next summer.

#### WILDERNESS

On November 14, the Colorado State Director issued his final decisions on Wilderness Study Areas (WSAs). This decision represents the final step in the two-year wilderness inventory process.

The decision included 15 acres totalling approximately 170,000 acres in northwest Colorado that will receive further consideration for wilderness. One of these areas, the Troublesome WSA, is located in the Kremmling Resource Area. The area is north of Kremmling in Grand County adjacent to the Arapaho National Forest and contains approximately 8,250 acres. The boundaries of the Troubleme area were adjusted in the final cisions based upon public comment received earlier this year.

The Troublesome area was identified as a WSA because it is a large tract of undeveloped public land retaining its primeval character and influence, and without significant permanent improvements. Outstanding opportunities for both solitude and primitive and unconfined recreation are present due to dense forestation, a variety of wildlife, the perennial streams of Rabbit Ears and Troublesome Creeks and varied topographic and geologic features.

WSA status does not mean that the Troublesome area is being recommended to Congress for designation as wilderness. It does mean that the wilderness potential of the area will be studied as part of the Resource Management Plan along with all other present and potential land uses. Out of the RMP process will come the BLM recommendations to the President and the Congress on whether the Troublesome area is suitable for signation as wilderness.

Books and maps describing the final WSA decision are available at any BLM office in Colorado or by writing the District Office at P. O. Box 248 in Craig, Colorado 81625.

#### **CULTURAL RESOURCE** INVENTORY

The BLM contracted the Colorado State Laboratory of Public Archaeology from Ft. Collins to complete a sample survey of 7,500 acres of public land for cultural resources. Part of the contract included a literature review to identify prehistoric or historic sites that had been previously located and recorded within the Kremmling Resource Area. A total of 48 new sites were identified during the sampling survey varying from campsites and cabins to areas where stone workings or chippings were concentrated. In order to protect the sites from "pot hunters" and vandals, their locations will remain confidential until such time as they can be properly studied and/or protected.

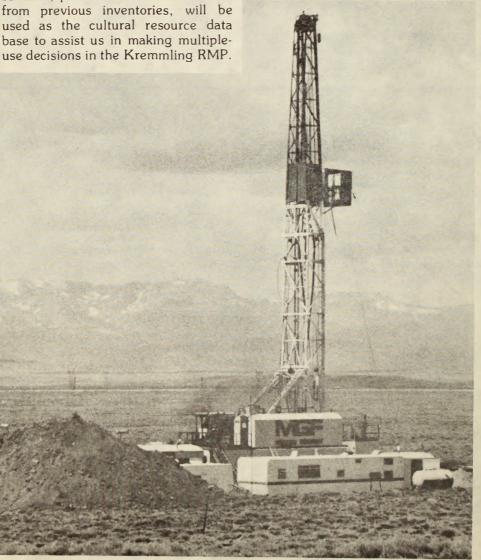
A "cultural resource" is defined as any fragile and non-renewable remains of prehistoric or historic activities of humans including artifacts, structures, campsites, art works, etc.

The information from this inventory contract, plus the information on file

#### **OIL & GAS ACTIVITY**

The BLM, in cooperation with the U. S. Geological Survey, has reviewed and approved over 20 applications to drill wells for oil and gas this past summer. Most of the drilling will occur in the existing McCallum and Battleship oil fields northeast of Walden, Colorado. Six of the wells will be wildcats and are located throughout North Park and Middle

The BLM determines which lands with federal minerals should be leased for oil and gas, issues the leases and then ensures that the proper environmental protection and surface reclamation measures are applied to all areas of exploration and development. The U. S. Geological Survey is responsible for the technical and operational adequacy of any drilling proposal, approving or denying the application for permit to drill and enforcing the terms and conditions of the drilling permit including surface protection and reclamation.



### Coal Unsuitability

The U. S. Geological Survey has identified a 225,000 acre Known Recoverable Coal Resource Area (KRCRA) in North Park, with moderate-to-high potential for coal development. The Kremmling RMP will identify areas within the KRCRA that are suitable for further consideration for leasing of coal (see map page 5).

In addition, coal companies and the general public may present geologic and economic data that would show other areas with coal development potential outside the KRCRA. This will be the last opportunity for the coal industry to identify areas of interest to be considered in this RMP. The next chance to consider potential coal development lands will not occur until the need for a new RMP is determined which, hopefully, will not be until the 1990's. (For further information on expressions of industry interest, contact Ade Neisius, RMP Team Leader at the Kremmling Resource Area Office.)

These areas and the lands within the KRCRA will be examined for their suitability for coal development. Under the Secretary of Interior's coal policy, leasing for coal development would be considered for lands underlain with Federally owned coal which have not been found unsuitable through the application of specific criteria. The purpose of the unsuitability criteria is to point out areas with key features or environmental sensitivities that make them unsuitable for certain types of coal development.

Once these unsuitability criteria have been applied, those lands that are determined suitable for certain stipulated methods of coal development will enter the land use planning process where multiple-use decisions will be made that may eliminate additional lands with potential for condevelopment. Throughout the process, surface owners will be consulted to determine their preference for or against coal development. Where the surface owner does not consent to surface mining, additional lands will be eliminated from further consideration for leasing.

The lands remaining at the end of this process will be recommended for coal development in the RMP, and will be subject to the procedures established by the Secretary of Interior for competitive leasing.

This is the second issue of RMP Update, published at least twice a year. The newsletter is an effort by the Bureau of Land Management to keep the public better informed about the activities in the Kremmling Resource Area, Colorado. RMP Update is mailed free to all interested individuals and organizations. You will be included on the mailing list by contacting John Singlaub, Bureau of Land Management, Craig District Office, P. O. Box 248, Craig, Colorado 81625, telephone (303) 824-3417. All materials contained in RMP Update may be reproduced or reprinted without permission.

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